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	TOTAL TRANSPORT	100





## Outcomes:

- Identify repeating and critimetic Princial de
- · Determining the next two minimum, or or chemical



# More of Bar Graphs

## Outcomes:

- · kinstitying elements at a bar graph.
- Degenizing representing, und usalyzing data from a bar graph.

# Line Plot

### Outcomes

- castifying elements of a line plot.
- Collecting and recording date.
- · Creating a Sue piet.

Lessons

## Measuring Lengths in (Centimeter, Meter, and Millimeter)

## Outcomes

- Discussing penteralar medsulerheld.
- Necessaring the length of objects. (A tate/fimulation
- Extinuing the length of objects in centiniales and meters.
- Discussing maler measurement.
- \* Demonstrate understanding of the ralglionship between centimeters and matera
- Determining whether to use canlimaters or movers to moosure innuch.
- Demonstrose underwanding that centimeters are composed of enlimetera.
- \* Meaning the length of objects entlymilim of
- Describing the pottern they observe when measuring the game chapter in milimeters upod cantimatics.



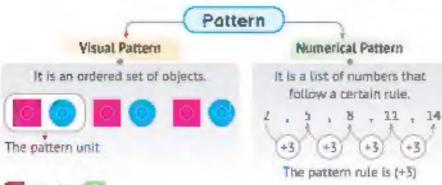
Learn

الأنماط

## Pattern

A group of numbers or shapes that are repeated regularly according to a specific rule.

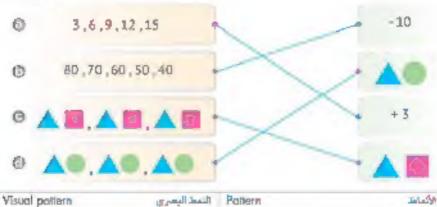
النَّمُظُ أَ هُو مَجْمُوعَةً مِنْ الْأَسْكَالِ أَوْ الأعداد لتكرن بشكل منتظم، وقفًا لقاعدة محددة



# Activity 1

Numerical pattern

## Match



Pattern role

التحث العفلق

فلعدة النحط



# Activity 2

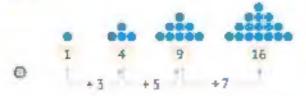
Find out the pattern, then complete in the same sequence:

	Rule
@ 22,24,26,28, 30 , 32 , 34	+2
@ 6,12,18,24, 30 , 36 , 42	+6
@ 90,85,80,75, 70 . 65 . 60	~5
@ 40, 36, 32, 28, 24 , 20 , 16	-4
	•

Learn The pattern rule can be increased or decreased by a specific rule and is not a fixed number.

خاهية اللعظ يعكن أن تزياد أو نقل بقاعية محيدة ولا تكون عديا يُتَاتَدُ

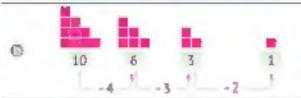
Ex. Note the following visual pattern:



The pattern key may not be a fixed number, it can also be incremented by a specific rule.



The pattern rule is increased by 2.



Notes

 The pattern rule is decreased by 1.

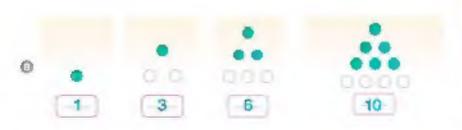
Increased

21.74

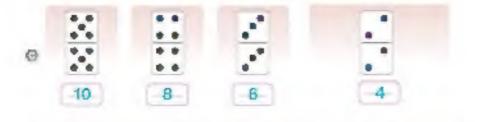
Decreased

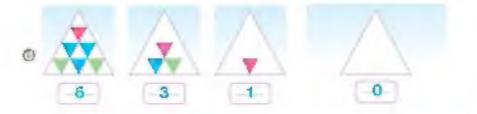
مِقل

# Activity S Find out the pattern, then complete:













# More of Bar Graphs

مريد من التمثيل البياني بالأعمدة

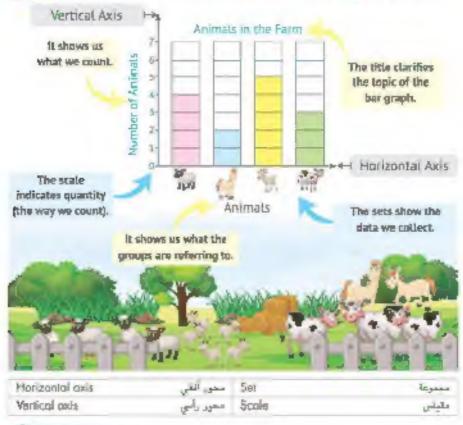
# Learn

# Representing Data Using a Bar Graph

It is the conversion of data and figures into drawings to facilitate studying and analysing the data.

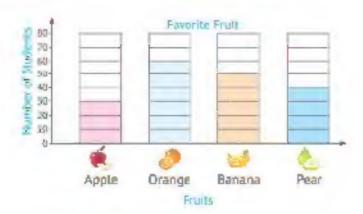
الق<mark>متين المداني بالأعمد</mark>ة، عن تعبيّن بياني بستخدم فيه الأعدية ذات الأبلوال أو الارتفاعات المخالفة للمثيل البيادات للتي ثم جمعها

EX. The following bar graph shows the number of animals in the tarm.



Activity 1

Look at the favorite fruit graph, then answer:



Complete the following table:

Favorite Fruit	Apple	Orange	Banana	Pear
Number of Students	30	60	50	40

The How many students liked granges?

60

O How many students liked applies and bananas?

How many students were asked about their favorite fruit?

$$30 + 60 + 50 + 40 = 180$$

What is the least popular fruit on this graph?

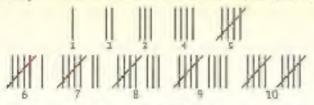
Apples



# Learn

# Tally Marks

They are used to record votes or other items.



Each tally mark represents a number, until we reach the number 5.

We draw the fifth mark above the other 4 for it to be a bundle.

كل علامة تعلق وحدة، وعند الوصول إلى منصى علامات أرضم العلامة الخاصنة على العلامات الأربع الأولى ( | | | | ) وتسمى حرمة

The following ice cream pieces show the store's sales:

Make a tally table to count the ice cream pieces



lon Cream	Tally Marks	Number Frequency	20-	_	ice Cream		r
4	III	8	TR- Th- Th- Th- Th-	_			
曾	WW.	10	Freques				
•	JAY JAY III	14	Numi Numi	-	,		
-	JHTII	7	0.1	-	Sind of its	e Cream	4

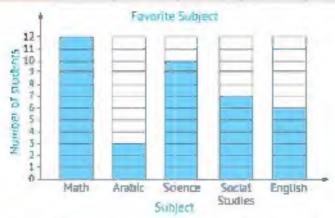
حزية



The following table shows the favorite subjects of a number of students. Complete the table and the bar graph, then answer the questions:

Complete the following table:

Favorite Subject	Math	Arabic	Science	Social Studies	English
Talles	TAK TAK II		THE THE	JRTH	JHI
Number of Students	12	3	10	7	6



What is the difference between the number of students who prefer math and those who prefer Arabic?

$$12 - 3 = 9$$

(a) What is the total number of students who prefer the social studies and who prefer the Arabic?

$$7 + 3 = 10$$

(List and Arrange the preffered subjects in an assenting order according to (List and Arrange the preffered subjects in an assenting order according to (List and Arrange the preffered subjects in an assenting order according to (List and Arrange the preffered subjects in an assenting order according to (List and Arrange the preffered subjects in an assenting order according to (List and Arrange the preffered subjects in an assenting order according to (List and Arrange the preffered subjects in an assenting order according to (List and Arrange the preffered subjects in an assenting order according to (List and Arrange the the number of students who prefer each of them.

Arabic, English, Social Studies, Science, Math.



# Activity Use the following table to complete the bar graph:

Favorite Desserts	Basbousa	Kunafa	Sweet Potacoes	Sweet Fetee	Om A
Tattles		JHI (II	1	7HL 7HK	JHY JHI
Number of Children	4	9	3	12	10



- How many children ked 7 9
- O How many children ked in a and ? . . . ? 10 + 4 = 14
- Sweet Feteer @ Which dessent is liked -
- Sweet Polatoes Which dessert is aked
- O How many or students prefer that in that those who prefer sweet foreer? 12 - 3 = 9



# التمييل البياني باسقاط

# earn

# Line Plot Graph

his a method of disploying date using a number line by placing a sign in above the line to indicate the number of repetitions.

هو طريقه تفرض النباية المجيوما والجم الأعداد لوجيه علامة 💉 عني البعط تأوضيه عند من البخر



EX. The following numbers are the results from a test taken by a class of 24 students

16 14 17 11 14 19 11 17 .2 21 72 18 .. 16 .5 .4

18 12 .3 .6 .7 15 .3 17

## To make a line plot out of these data



greatest and convert

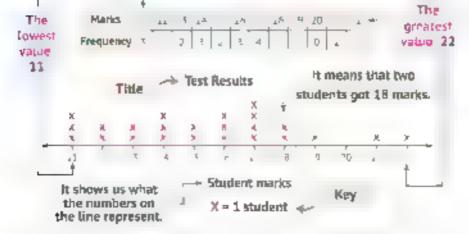
value.



we petermine now often each value is reported



The put the numbers on the number une and pur a mark + above each value according to their frequency:



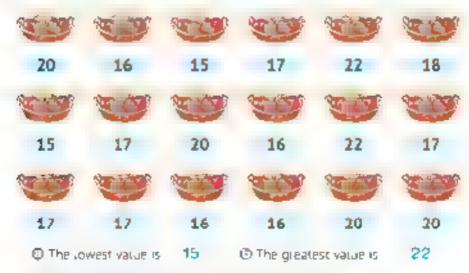
Lowest value Gregiesi value أسدر تيمة Title آكار للبية Key

عترين ملتاح



# Activity [ ]

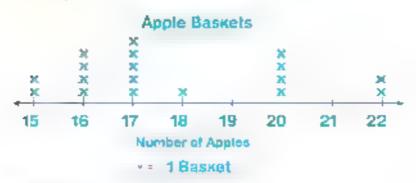
Create a line plot using the apples in the basket data. Make sure to give your line plot a title and a key.



@ The number of times each number is repeated:

Number of Apples	15	16	17	18	19	20	21	22
Frequency	2	4	5	1	0	4	0	2

The line plot:





The following data shows the weights of 20 children in kilograms. Create a line plot using these data:

The lowest value is

The greatest value is

- G The number of times each number is repeated:

61

68

The line plot:

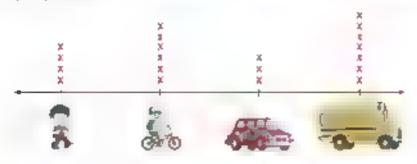
China er si Vergris







The following line plot represents the methods used by 20 students to reach school



# Means of Transportation X = 1 student

## Answer the following question

O How many students go to school by in 7

7

🗗 How many students go to school by 🧪 🕐

3

 $oldsymbol{\Theta}$  How many students go to school by  $\gamma = 0$ 

6

O How many students go to school on -4-7

4

What is the non- a means of transportation for students?

Bus

O How many in students go is school by a minar by in 7

$$7 - 6 = 1$$

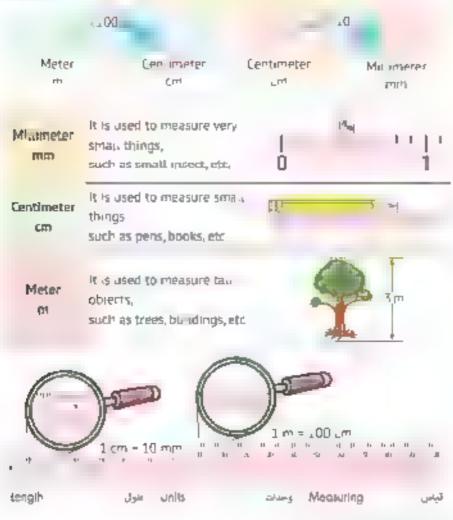


# Measuring Lengths in (Centimeter, Meter, and Millimeter)

قباس لاطوال بالسنديمدر والمتر والمليمدر



## Units of Measuring Length

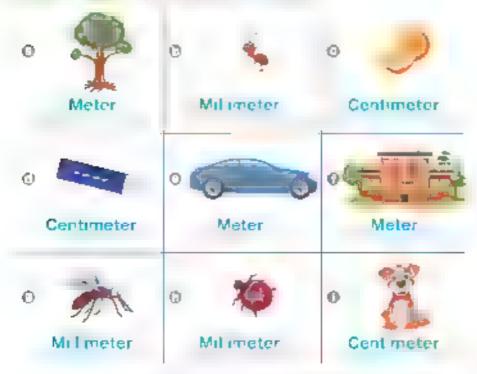






See the pictures below. Determine what is the appropriate unit of length for measuring these things, then write it under each picture:

Mil meter am centimeter ca primeter as.



A ruler is a measurement tool used to measure the length of small objects. To use a ruler to measure the length of an object, such as a key

une up one end of the key with the zero mark on the rule:

Find the centimeter mark on the ruler that is at the other end of the key.



5 centimeters

Use the ruler to measure the length of each object in centimeters:

B cent meters

3 centimeters 5 centimeters

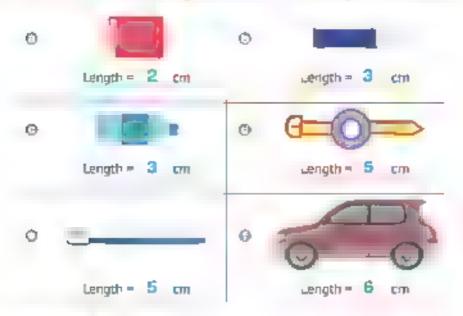
11 centimeters

14. centimeters



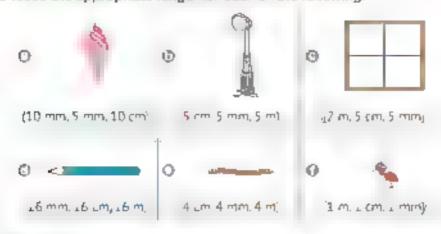
# Activity

Jee a ruler to measure the rength of each of the following in centimeters.



# activity ...

Choose the appropriate length for each of the following.



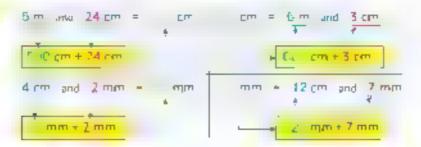
Ex.

```
e. 00 m.
I meter . 00 cen imeters
5 m = Sud cm
                                    (Of a a
1 cent meter = 10 mil meters
                                     cm a finge
4 cm = 40 mm
                                   (40 \text{ mm} = 4 \text{ cm})
```

# Complete the following:

- 10 3 meters = 300 centimetres (0 800 centimetres = 8 meters
- @ 1 m = 100 cm
- (0.700 cm = 7 m
- O 8 m = 800 cm
- @ 200 cm = 2 m
- O , centimetre = 10 mil imeters @ 50 mil imeters = 5 centimetre
- 18 centimetre = 700mi , meters () 180 millimeters = 18 centimetre
- (3 3 cm = 30 mm
- 0 600 mm = 60 cm
- @ \_4 (m = 140 mm
- Q \_20 mm = 12 cm

Ex.



# Complete the following:

- © 5 m and 20 cm = 520 cm () 10 cm and 5 mm = 105 mm

- @ 382 cm = 3 mand 82 cm @ 96 mm = 9 cm and 6 mm
- 950 cm = 9 mais 50 cm () 208 mm = 20 cm and 8 mm
- O 407 cm = 4 mand 7 cm O 725 mm = 72 cm and 5





## Thousands Ten Thousands, and Hundred Thousands Numbers in Different Forms

apparing towards after of a pign in large, aved on in Place white ages on accept acting times. In discount to with high time to interest and on accounting sources of the element painting sources. Reporturate with hij contents at the left has larger place of implantation from the content of the master of the pro-

e agranta nace sono pubbli Bracing our antiop range of the element bursant place. intering and is ast or limited at lottle Humbiet Philosophy place An in the second

Resemble a with 1g enterth at the Whenta of Thewarer place it Expendito Fertil ribering a series of incesses up in the number of terrority place.



## Arrays

mee up dealedne myth de stag principal property of prior February Community of the control of t me of the distribution, acting recrawle addition multismic



# Multiplication

impaneg arrays the qualigroups up resughing residential man description are a d the side of the analysis of the pro-

into except our good in aminis-

## Commutative Property in Multiplication

### Dutcomes

 Salving mustiplication problems hiệi lày an lượch. for shalling the Commonsory) Gene foot Pupp, dine away all IL

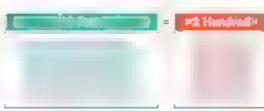
- 500 at ayou made the пто подски Вордеть Ф ньыг эпол Solving my light appropriabilities Companie

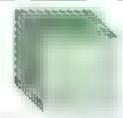
Thousands Ten Thousands, and Hundred Thousands Numbers in Differen Forms الآلاف – عشرات الأول ومثاب الآلاق – صيغ مختلفة لكبابة الأعداد

# First, Reading and Wolfing Numbers Up to 999,999

### Zero 10 Ten One 11 Eleven 2 Typo Twelve 20 Twenty 3 Thirpp Th Reer 30 3 Thirty Four Fourteen 40 Forty 4 5 50 Fifty Five. Fifteen Sixteen 6 Six 40 Sixty 1 seventeen. bevenly 3even 10 8 Eighl R Eahlean 80 Eighty 9 90 Ninely N ne Nineleen 100 Hundred





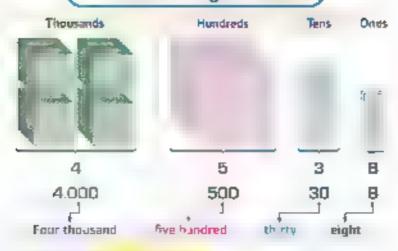


# 10 hundreds = 1000 one thousand

4 digit number Degir Psumber 5 digit number 6-digit number



# Thousanda (4-dig t Numbera)



فيعليه الرحرية (المياسية الرحرية (المياسية Standard Form

4 5 38

Authaul acumii Word Form

Four thousand, five hundred and the ty-eight.

ஷைகள் வுக்கிர் கட்டிர் Short-word Form

4 thousand, 538

# 5-digit Numbers (Ten Thousands)

Ten Thousands	One-thousa Thousand	High	ndreds	Tens	Ones
5	В		4	2	В
50.000	8,000	4	OD OO	20	Б
F fry eight thou	sand fo	ur hundred	fores y	sl:	1
Standard	Form	58.	476		
Word Form	ח	Fifty-sight th hundred b			
Short-wor	d Form	58 thous	and, 425		

# 6-dig t Numbers (Hundred Thousands)

7	housands		Hundreds	Tens	Ones
Hundreds	Time	Ones	Mullilleus	IEFE	Olles
3	8	1	2	4	3
300,000		1,000	200	40	3
and the same	-	4	- 7	E.	Land.

Three hundred saxty-one thousand, two hundred forty-three

Standard Form 361 243

Word Form Three hundred sixty-one thousand, two hundred forty-three.

Short-word Form 361 thousand, 243

# Ex.

- 3,000 is read as. Three thousand.
- 3,405 is read as. Three thousand, four hundred five.
- 5,050 is read as. Three thousand, fifty.
- 1.4u6 is read as. Three thousand, four hundred fifty-six.
- · 20,000 is read as Twenty thousand.
- 23,000 is read as Twenty three thousand.
- 2 5.415 is read as Twenty-three thousand, four hundred fifteen.
- 25.045 is read as Twenty-three chousand, forty-five.
- 23,456 is read as Twenty three thousand, four hundred fifty suc.
- 200,000 is read as "two hundred thousand."
- 256,003 is read as Two hundred fifty-six thousand, three
- 256.720 is read as. Two hundred fifty shi thousand, seven hundred twenty
- 256 723 is read as "Two hundred fifty-six thousand, seven hundred twenty-three.





## Write the number shown on the figure.



0



Word Form: Three hundred sixty-two

thousand, four hundred forly



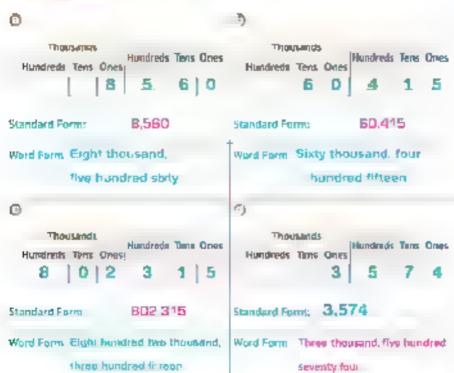
standard Forth 200 040

Word Form Two hundred (housand,

**Jorty** 



## Complete the following:





40

This	nands		Hundreds.	T	Com
Hundredt	Tuns	Ones	HUING FELLS	HERES.	unes
	9	- 7	4	5	8

Standard Form 97,458

Word Form Hinty-seven thousand, four

bundred fifty eight

o Thousands Mundredà Tens Ones Hundreds Tens Ones

atendard Form 824,231

Word Force Eight hundred twenty four thousand, two hundred chirty

Activity

Write the following in the standard form.

- Five thousand, three hundred sixteen 5,316
- D Eighty four that sand two hit noted twenty-four 84 224
- O Nine hundred s my three thousand eight hundred seven 903,807
- O Nineteen thousand twenty seven. 19 027.
- @ Three hundred thousand sixteen 300 016

# Activity !!

Write the following in the word form

- Five thousand, two hundred thirty
- © 45,030 Forty-five thousand Ihirty
- @ 50 108 Fifty thousand, one hundred eight
- @ 340,008 Three hundred forty thousand, eight
- © 503,360. Eye bundred three thousand. one hundred sixty

## Second: The Place Value



## From the previous, we can understand that

- 🌇 is in the Hundred Thousands place
  - The place value of the digit is it. • 4 The value of the digit is will
- 🚣 is in the Ten Thousands place
  - The place value of the digit 4 5 to The ■ The value of the digit is in
- is in the Thousands place.
  - • The prace value of the digit is not sport ■ The value of the digit is not
- 👊 is in the Hundreds place
  - . The prace value of the digit is discree s. 30 re value of the dig vills if it.
- is in the Tens place
  - The place value of the digit 5 \*\*\* 80 ■ Tie val = of the dig t is vi
- Pis in the Ones place
  - The place value of the digit 2 is Ones. 80
- It is not be deposited in the deposit. Place value Volue القبية بكلية

القيمة العددية



# Activity []

## Write the varie and prace value of the encircled digit

Number	Value	Place Value
0 2356	2000	Thousands
0 5 2 0 9	200	Hundreds
Θ 3,012	2	Ones
0 78 9 6	90	Tens
0 3, 0 5 0	0	Hundreds

# Cetivity

## Complete:

@ 20 Hundreds = 2,000	© 80,000 × 800	Hy ndreds
O 10.000 Tens = 100 000	© 5,000 = 5	Thousands
@ 70 Thousands = 700 Hundreds	<b>0</b> 600 Thousands = <b>60</b>	000 Tens
⊕ 500 Hundreds = 5 000 Tens	© 3.000 Terts = 30	Thousands
<b>①</b> 6,000 Ones ≈ <b>60</b> Hundreds	@ 200 Hundreds = 20	Thousands



Place value can be used to write numbers in two forms,

Expanded Form

723.156

723 Thousands + 1 Hundled + 5 Tens + 6 Ones

# Detivity

Write the following in the expanses for no

# Cetivit,

Write the following in the units form



# Activity 3

Write the following numbers in expanded form and units form:

# Activity 3

## Complete the following:

# Third Comparing and Ordering Numbers Up to 999,999



To compare has numbers, do the following

( First If the number of digits of each number is different.)

The number that has more rights is the great est.



Second: If the number of digita of each number is equal

Compare the value of the digits of the two numbers from off to right.



- @ 932,105 < 958,601

- Because the value of the digit 5 is greater han the value of the digit 2
- Berause the value of the digit B is greater man the value of the digit 6.
- Because the value of the digit 8 is greater. than he value of the digit Z



Different forms can be converted to the standard form to facilitate the companison process.



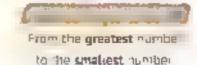
# Complete using (< nc>)

- © 75,687 < 84.023 (3 4 363 < 40,000 + 30 + 600 + 3,000

- 9 9 009 < 10.000</p>
- @ 920 Hundreds 92,000 Ones

- ① 85 102 < 85 120 ② 5,000 + 7 > 50 + 0 + 0 + 7
- 82 Thousands + 5 Ones + 3 Tens + 4 Hundreds < 82 534
  </p>

From the smallest number to the greatest number



# Arrange in an ascending order

- 53,068 94 760 68,073 49 298 57,680 49 298 53 068 57 680 68 078 94 760
- 700 415 700,514 700.145 700 541 700,451 49 700 145 700,415 700,451 700 514 700,541
- 20,200 20,002 200 20,020 2,222 2.222 20.002 20.020 20.200 200

9,999 79,999 777,999

9.999

99,999

999 999

# Arrange in a descending order

- 80.104 30 999 50.103 70.000 50,680 e 80.102 70.000 50.680 50.103 30.999
- (3 600 5.9 600 195 600.591 600.915 600 159 600 915 600 591 600 519 600 195 600 159

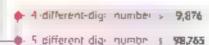
G 70,000 7,000 7,770 70,070 70,007 70 070 70 007 70 000 7,770 7 000



4 digit number is	1,000	4 digli number s
<ul> <li>Sidigit number is</li> </ul>	10,000	🌞 S digit mimbre s
6-digit number is	100,000	♦ 5 aigli number s
4-same digit number is 5 same digit number is	1,111 11 111	4-same-digit number is 5-same-digit number is

	4-different-digit number	15	1,023
	5 different digit numbe	15	10,234
•	6-differem digit numbe	15	102,345

6-same digit number is 11,1.1



& same-digit number is

o-differem dight number is 987,654



To obtain the greatest number of given digits, arrange the digits from greatest to least from left to right.

EX. The greatest number formed from the digits.

6 , 5 , 4 and 8 is 8,654



 To obtain the smallest number of given digits arrange the digits from reast to greatest from left to right.

EX. 1 The smallest number formed from the digits:

3 5 2 7 and 1 s 123 5 79

2 The smallest number formed from the digits:

8 and 4 is 304.589

Zero cannot be placed to the left, so it is swapped with the next number.

EX. From the digits 5 and 3.

The greatest 4-digit number is 5 553

The smallest 5-digit number is 33,335

EX. From the digits 6, 5, and 3

The greatest 4-dig t number s 6.653

The smallest 6-digit number is 3, 3, 356



fewer digits

- To obtain a 4 5 or 6-digit number white having
- If the greatest number is required we repeat the largest digit
  - If the smallest number is: required we opeal the smallest digit

# Activity Complete

- O The smallest number formed from the digit is six and \$13,489.
- The greatest number formed from the digits and is 97,542
- G The smallest number formed from the digits 2 2 and 4 s 30 468
- ① The greatest number formed from the digits and is 6 310
- O The greatest 4 digit number is 9 999
- O The smallest 6-digit number is 100,000
- 1 The smallest 4-digit number formed from the digits and 9 is 5,558
- The greatest 5 digit number formed from the digits and is 777-73
- The smallest 6-digit number formed from the digits of and 5 is 333,357
- O The greatest 6-digitation per for red from the plants and 0.000,042

# Ex.

- The number \$6,258 comes just after \$6,257
- The number that comes just after \$6,258 is \$6,259.
- The number \$36,999 comes jus before \$37,000.
- The number that comes a st before 336,999 is 336,998.

# The number that comes just affect

€ 35 783 is 35 784 € 315,099 is 315,100

G 68,029 is 68 030 G 820 999 is 821,000

# Lettvity The number that comes just before

© 582 540 s 582 539 © 50.000 is 49 999





بمصفوفات



#### An Array

t is a collection of objects arranged in horizonta rows and vertical columns, completed with no empty spaces.

مصقوفه مجموعة مر الأشباء عرنيه يرصفوه افقيه واعسم سيه مكتملة الومدانها فراعاء

#### In the opposite array

The number of rows is

The number of strawberries in each row is

Total number of strawberries is

+ + - 15 strawberries

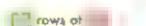
The number of column is

The number of strawberries in each

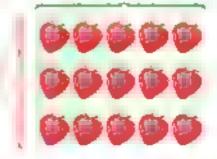
(OLumn is

Total number of strawbernes is

$$5 + 5 + 3 + 3 + 3 + 3 = 15$$
 strawberries



QΓ



columns of

Column

Jamil Co

-



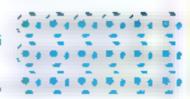
#### CCT/VIC! Look at each array, then complete:

The number of rows is 3

The number of balls to each row is 6

Total number of balls is

6 + 6 + 6 + 18 balls



- The number of columns is 6

The number of bacs in each column is 3

Total number of balls = 3 + 3 + 3 + 3 + 3 + 3 - 18 balls.

- 3 rows of 6 or 6 columns of 3

⊕ The number of rows is 3.

The number of torratoes in each row is 5

Total number of tomatoes is





The number of columns is 5.

The number of romatoes in each column is 3

Total number of tomatoes is 3 - 3 + 3 + 3 + 3 - 15 inmatoes

3 rows of 5 or 5 columns of 3

G The number of rows is 4

The number of cars in each low is 3

Total number of cars is

3 4 3 4 3 + 3 - 12 (35

The number of columns &



The number of cars in each column is 4

Total number of cars is 4 + 4 + 4 = 12 cars.

4 rows of 3 or 3 columns of 4



## Activity

#### Create an array:





3 rows of 4

6 columns of 3

### Detivity

#### Calculate the total number of objects in each array:

0



The total number by 4 + 4 + 4 = 12

13

THE LOCAL PROPERTY. = 20

0



The total number is 3 + 3 + 3



The total number s. 5 + 5 = 10

## activity

#### Complete the missing elements in the arrays, then find the lotal number:



The total number is 4+4+4+4. The total number is 5+5+5= 16



مفهوم تضرب

### The multiplication is a repeated addition

#### In the following figure:









4 groups of ducks, each group consists of 3 ducks

The total number of ducks is 3 + 3 + 3 + 5 = 12 ducks

#### Adding 3 is repeated for it mes, so we can use the concept of multiplication



of provips Factor

Jodewie Times

Number of ducks in each group Factor

The result of multiplication Product

# Ctivity

#### Complete as in the example:











#### Repeated addition: 5 + 5 + 5 + 5 =

#### Multiplication, $4 \times 9 = 1$

Produce Concept.

فانح الم مشهوع Mulhplication Times

Symbol FOLTOI

عاسر

Repeated addition

للحمم بللتكرر





Repeated addition

Multiplication: 4 x 6 - 24



Repeated addition

Multiplication: 3 x 5 = 15



Repeated addition

Multiplication: 5 x 4 = 20

#### Complete as in the example.

EX. 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5

03+3+3+3+3+3= 18

(34+4+4+4+4= 20

$$50, 5 \times 4 = 20 \text{ and } 4 \times 5 = 20$$

@6+6+6= 1B

So, 
$$3 = 6 = 18$$
 and  $6 \times 3 = 18$ 

① 2+2+2+2= 8

56, 
$$4 \times 2 = 8$$
 and  $2 \times 4 = 8$ 

$$0.7 \times 4 = .7 + .7 + .7 + .7$$



### The Array and Multiplication

3 rows of 5 butterflies,

To find the local number of butterflies,

we can use

Repeated addition 5 + 5 + 5 = 15 betterflies

Multiplication 3 > 5 = 15 butter/les

of raws

We say 5 cines 5 equals 15

5 columns of 3 butterflies

To find the lotal number of butterflies, we can use



Repeated addition 3 + 3 + 3 + 3 + 3 = 15 butte (bes

Multiplication 5 × 3 = 15 butterflies

0

Numbe of \_\_\_\_\_

Product (fotal)

We say. 5 times 3 equals 15

## Ctivity

#### Complete each of the following.

....

3 mas of 5

H

4 rows of 4

4 rows of 6

3 × 5 = 15

4 \* 4 = 16

4 × 6 = 24

Ġ



(1)

0

0



6 corumps of 3

5 columns of 2

6 columns of 1



Draw an array that matches the multiplication.

Then use repealed addition to find the product of the multiplication:





\_ 20

#### $3 \times 6$



6 Add 18 10

ø

$$4 \times 5$$



Add 5 + 5 + 5 + 5 20

#### ⓓ



3+3+3+3+3+3 Add 18

## Lesson Commutative Property in Multiplication خاصية الإبدال في الصرب

#### The following array is

4 rows of 5 fish Add 5+3+3+3=12

Ma apty 4 × 3 - 12

#### The following array is

4 rows of 5 fish

Add

4+4+4+12

Ma apty

3 × 4 = 12

1	1	3	3
de	40	100	40
	_	_	_
3.	3.	3.	٦.

3333

 $50.3 \times 4 = 4 \times 3 = 12$ 

#### This means.

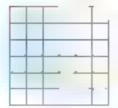
Switching the factors of the multiplication operation does not affect the product of the multiplication, and it is called

The Commutative Property of Multiplication

تدرير مناكز عوامر عملته قصاري الوير غير بالله السار وهيا تستي خاهسه الإليا أي الك

Ex.

5 rows of 3 5 × 5 = 15



3 rows of 5  $5 \times 5 = 15$ 



 $50.5 \times 3 = 3 \times 5$ 

Property

Commutative Alexander

الإسال





#### Complete using the Commutative Property of Mulipi car on

0



2 rows of 4 4 rows of 2 2,4-8 4,2-8

Sq 2 x 4 : 4 x 2



4 rows of 3 3 rows of 4

4 2 3 -12 3 2 4 12

So. 4 × 3 - 3 × 4

Θ



6 x 3 - 18 3 x 6 - 18

5a. 6 x 3 : 3 x 6

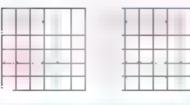
0



6 rows of 1 1 rows of 6

6 1 - 6 1 26 - 6

50, 6 x 1 = 1 x 6



5 x 2 - 10 2 x 5 - 10 Sa, 5 x 2 - 2 x 5 0





4 x 6 - 24 6 x 4 - 24

5c, 4 × 6 - 6 × 4

## Activity

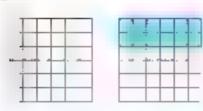
Write the multiplication sentence of each array, then draw the array that shows the Commutative Property.

6





ø







$$50.4 \times 5 = 5 \times 4$$

### Complete the following:



# Lessons Word Problems and Application

o pre

 in the control of armylies to solve multiplication the transfer.

in the graphers of the cheaten to problem. Recorded the retreation countries and sine problem.

Same on may be

the main light appearing angles of some purchase. We discuss the action of a published that districtly appearing around

# 3&4 Multiples

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Each now the later of amproving by Clara located by contact unique or and Proof by contact numbers of lead greate that

 b. do not result and excession randominist minoring liderate organization of the color of the liderate programment of the second programment and by Sum. 0

 Applyining the infancy hip between this mainting with doubglost of the

# Lesson Factors of a Number 5 Using Arrays

200

Explains, em literatur chip untercommetates el uno o

Much in the common wave Property of Malifelia Alemania.

Identifying factor pairs using arrays.

## Leasons Time Applications on

c ore

ally counting by fa.

Emplained the Liberary serves with another than the control of the

Procing are levening hime in limiting increments unit levening limit

and a so a stateber lightness incode

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# Lessons Division Applications 889 on Division

200

continued final state and a com-Explain relie or don't president stating equational of the president access than in

direction in total or distribution of the desired of the second of the s

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E planning Oten the many wheat fide and dischange

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## Lesson The Relation Between Multiplication and Division

5.00

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#### مسائل خلامية وتصبيقات حياتية على الضرب



#### .eern

salve dur problem, or mutuli lattri, o le o 1 e ollowing and a clear is allowed us of he existing in



Atmed wen, to the market 4 times, each time he bought 6 eggs. How many eggs did Ahmed buy?



#### Using Repeated Addition Strategy

Number of eggs: 6 + 6 + 6 + 6 = 24 eggs

#### Using Skip Counting Strategy



Number of eggs 24 eggs

#### **Using Array Strategy**

Number of eggs 4 v 6 - 24 eggs Number of eggs 6 x 4 = 24 eggs



#### Using the Equal Groups Strategy









Number of eggs. 4 x 6 = 24 eggs





Use the strategy you prefer to selve the following story problems.

Work Space

- E) Farho went to the store to buy rolls for a big family different the store size bought 4 bags of rolls. Each bag contained 5 rolls. How many rolls did Farha buy?
  - 4 X 5 = 20 ro (s
- Manay brought 6 bags of cookies to school Each bag had 3 cookies in it How many cookies were there accepther? 6 X 3 = 18 cookies
- Matek runs 3 miles each day.
   How many rities does he run in 7 days?
   7 X 3 = 21 miles

A bag of oranges contains 4 oranges

How many pranges are in 8 bags?

8 X 4 = 32 oranges

## Activity

#### Match each story problem to its multiplication equation:

Mariam had 4 sweaters. Each sweater

had 3 buttons on it.

How many total buttons are their on au the sweaters?

\* 6 × 6 36 C

Rana packed 6 boxes full of cars. Fach

O tips, rate 6 cans, How many total cans did Rana pack?



Amir hiked for 4 days over the summer

Each day he hiked 7 m les.

How many miles did he hike in all?

4 : 4 = 7 🔞

## Activity

Write a multiplication story for each multiplication sentence, then solve it.

0 5×3

(Any story that contains 5 X 3 is accepted.)
A bag of oranges contains 3 oranges. How many oranges are there in 5 bags.
5 x 3 = 15 oranges.

0 4×6

Each chair has four legs

How many legs are there in 6 chairs

5 x 4 = 24 legs





لمضعفات

#### Mustiplication by Zero

Any number × zero = zero |

$$6 \times 0 = 0$$

### Multiplication by One

Any number × 1 the same number |

$$1 \times 2 = 2$$

## **Schrity**

#### Find the product

is the product of this number mult plied by any integer You can get multiples of a number by skipping the count by this number

### Multiples of 2 and 3

Use the 30 Chart to complete:										0				0			
1,1	1 4	1	1-1	1	В	.1	E	П	, 1		2 ×	0 =	0	3	×	D =	0
£ 2	10.	10	14	05	1060	107	1.06	109	110	2	2 ×	1=	2	3	M.	1 =	3
9	4	93	94	95	1961	97	198	99	100			4=				∠ =	_
В	82	8.5	54	5	86	37	98	85	90			Ψ=				3 =	
					76%				IRCI			4 =				4 =	
1					(66)							5 -				5 -	
											2 ×	6 =	12	- 3	80	6=	18
					56						Įν	7 =	14	3	w	7 -	21
41	42	-5	44	45	46	47	416	49	50		2 >	8 =	16	3	5	B =	24
	3.	\$3	54	35	363	57 1	38	39	40		2 ×	9 =	18	3	н	9=	27
2	73	23 (	24	25	26	27	ZÚ	29	9		2 %	10 -	20	3	ĸ.	10 -	30
11	12.	23 (	14	15	16)	17	18)	19	20		2 >1	11 =	22	3	R.	11 =	33
					67						2 %	12 -	24	3	в.	12 -	36

Key

Multiples of 2

Multiples of 3

Common Multiples

### Activity Complete the following:

0 2 6 2 9 3 6 3 6 6 9 9 4 6 5 \*B \*5 \*7 ×9 ×2 ×2 41.3 16 10 21 27 12

## Activity Complete the following:

$$\Theta 2 \times 6 = 12$$
  $\Theta 4 \times 3 = 12$   $\Theta 7 \times 3 = 2$ 

$$06+6+6=6 \times 3=18$$

$$06+6+6=6 \times 3=18$$
  $08+8+8=3 \times 8=24$ 

$$0.6 = 0 + 0 = 2 \times 8$$



#### Learn

#### Multiples of 4 and 5

Use	Use the +20 Chart to complete.											0			0	
1,1	, T	_1	14	1	1 ь	17		1,2	סי		4 x	0 -	0	5 x	Ď=	0
7.5	∡D7	165	104	55	∡0Ŀ	νD.	103	YD3	10		4 x	+ =	4	5 x	1=	5
95	q_	73	94	q	46	0.	98	qa	. no	4	4 s	7 =	8	5 x	2 =	10
91	а	53	54	5	Hа	67	BB	87	an.	1	4 x	ጜ =	12	5 8	3 =	15
	7.7		TH		-6		.н		RD	4	4 ×	4 =	16	5 x	4 =	20
											4 x	5 =	20	5 K	5 =	25
- 4		6-3	44	p>	C-b			69	7D		4 ×	占 =	24	5 x	6 =	30
-	ŗ,		-14	5	6	7	28	50	80		4 ×	7 =	28	5 ×	7 =	35
4.	42	+3	41	45	46	4	-4B:	46	5D		4 =	8 =	32	5 ×	B =	40
31	37	3.7	34	7	30	3,7	5	70	40		4 u	9 =	36	5 x	9=	45
_		Ę	74		ä		7B	. 9	311		4 =	10 =	40	5 <	10 =	50
1	17	3	14		d	7	3	19	7D		4 ×	11 =	44	5 x	11 =	55
		τ	d		Ь	7	B.	٥	.0		4 ±	12 =	48	5 m 3	12 =	60

#### Key.

Mulhplas of 4

Multiples of 5

Common Mulliples

### Complete the following:

0 9	O	S (	9 4	Ø -	0	6	0	3	0	4	Ø.	4
ж {	l	× 5	× 7	75 .	9	x 5	91	5	75	4	20	5
4	0	25	28	3	6	30	- 4	15	- 4	6	2	20

#### Activity Complete the following:

$$\bigcirc 5 \cdot 5 - 2 \times 5 - 10$$
  $\bigcirc 4 \cdot 4 \cdot 4 \cdot 3 \times 4 - 12$ 

$$01+1+1+1=4 \times 1=4 08+3+2=4\times 6=24$$

$$0.8 + 3 + 2 = 4 \times 6 = 24$$

### Multiples of 6 and 7

JSG	the	2	00	ıcıri	lac	ODIY	ple	te			0			0	
111	1.7	T 3	1.4	115	10	1 7	1 5	_15	כי	bж	0 -	0	7 x	0 -	0
101	±0.2	95	∡D4	105	36	157	108	109	13	6 K	1 =	6	7 ×	1 =	7
91	9.	3.5	04	95	96	gn	ηg	99	00	6 к	Z÷.	12	7 x	Z =	14
3.	67	Я₹	54	E 5	ālı	67	8.5	89	70	b K	<b>3</b> =	18	7 ,	3 =	21
	T						В			þж	4 ×	24	7.8	4 =	28
					-					b x	<u> ۱</u>	30	7.5	¢ =	35
67	67	73	114	65	也位	4	ь.В	69	TO	6 ×	6=	36	7 %	6 =	42
			54		-6	5	5.9	G	ыЦ	6 ×	7 -	42	7.9	7 =	49
4.	42	41	14	45	46	47	48	41	5.0	6 ж	8 =	48	7 ×	<u>n</u> =	56
٦.	32	33	7.4	35	16	ξŢ	35	35	ΨΠ	б×	9 =	54	7.4	9 =	63
1	4		24	5	ŕ	. 7	Н	24	311	6 < 1	D =	60	7 × 5	l() =	70
_	12	_	4	5	16	_	В	9	20	$6 \times 1$	1 =	66	7 8 3	11 =	77
		7	4	5	b	7	8	9	10	6×1	2=	72	7 . :	12 =	84

Key

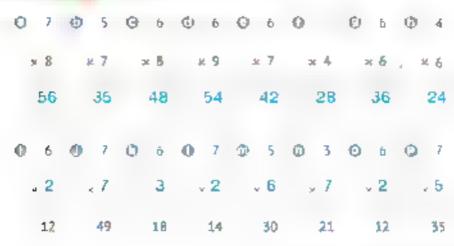
Multiples of 6

Multiples of 7

Common Multiples

## Activity

#### Complete the following:





## Activity Complete in the same pattern:

002468 10 12 14 16 20 18 ① D 4 8 12 .6 20 24 28 32 36 40 @ n e 13 19 34 30 36 42 48 54 60 0 0 7 14 71 28 35 42 49 56 70 63

## Activity Complete:

@7+7+7+7= 4 × 7 28

③ 3 + 3 + 3 + 8 + 8 + 8 = 6 × 8

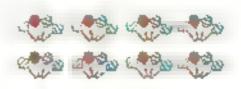
08×7=7× 8 = 56

 $09+9+9+9=6 \times 6=36$ 

05+5+5+5+5+5+5+5=8x 5

## Activity

Mr Sameh gave 4 job pops to each of his 8 students. How many ow pops did Mr Sameh have at first?

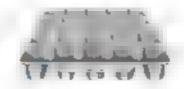


### $8 \times 4 = 32$

## Activity

How many eggs are there in the opposite carton?

 $6 \times 5 = 30$ 



### Learn

#### Multiples of 8, 9 and 10

```
Chart to complete
use the
                            8 a C = 0
                                       9 x 0 = 0
                                                 10 = 0 = 0
                                1-8 7x 1=9
                                                 10x 1 = 10
NOT U. O 204 TO A
                 70 NR 09
                               2=16 9× 2=18 10× 2=20
                            3 ×
              36 2
                                5-24 9× 3-27 10× 3-30
6, 82 85 84 95
              96 97 08 BH
                            8× 4×32 9× 4×36 10× 4×40
                   5
                            8x 5=40 9x 5=45 10x 5=50
6' 6 61 64 61
              56 5
                   64 69
                            9× 6×48 9× 6×54 10× 6×60
              56 57 55 59
                            Bx 7=56 9x 7=63 10x 7=70
        44 45
             ā(-
                   48 44
                            8x 8 - 64 9x 8 = 72 10x 8 - 80
      .3 34 35
              36
                   38
                     ·1 40
                            8 v 9 - 72 9 x 9 - 81 10 v 9 - 90
                            8 × 10 = 80 9 × 10 = 90 10 × 10 = 100
           25
              26
                   75
                            8 x 11 - 88 9 x 1, - 99 10x11 - 110
                            8 . 17 = 96 9 x 17 = 108 10 . 12 = 120
                   6 9 0
```

Key.

Multiples of a

Multiples of 7

Common Multiples

#### Activity Complete the following 0 3 7 O - 2 6 5 18 4 12 25 30 (i) 2 0 2 0 3 0 2 0 3 0 7 1 7 5 14 18 10 0 10 O 3 0 4 0 3 10 5 - 7 × 10 В 20 30 80 18



## Activity Complete n the same pattern:

- O 30 27 24 21 18 15 3 12 9 a -(3 50 45 40 35 30 25 20 15 10 @ 10 63 56 49 42 35 28 21 14
- © 90 B. 72 63 54 45 36 27 18

## activity

1 There are 9 apples in each box How many apples are in 6 boxes?

$$6 \cdot 9 = 54$$

Eman has 2 boxes of oranges. Fach how contains 5 stranges How many pranges does Eman have?

$$2 \times 5 - 10$$

There are 9 elasers in each box. How many erasers are in 9 boxes?

$$9 \times 9 = 81$$





### Activity Complete the following:

- $0.2 \times 10 = 20$   $0.4 \times 0 = 0$
- G 7 x 10 = 70
- 1 x9=9 0 10 x4=40

- $0.10+10+10+10=4 \times 10 = 40$
- $(0.0+10+10+10+10+10=6) \times 10 = 60$
- 0 1+7+7+7+7+7+7+1+7 1= 10 x 7





An multiples of 2 have a ones digit (0, 2, 4, 6 or 8),

EX. (2. 4. 6. 8, 10, 12, 14, 16, 18, 20, a

2 Au multiples of the number (6) are common multiples of the number (2, 3).

Ex.

Multiples of 7 7 4 6 8 10 .7 14 16 18 20

Multiples of 3: 3 , 6 9 , 12 15 , 18

Multiples of 6: 6 . 12 18 20 ...

As mostiples of 5 have a ones digit (0 or 5)

Ex. (5. 10, 15, 20, 25, 30 35 ...)

Au multiples of 10 have a ones dig (0)

EX. 10 20.30 40.50 60.





#### عوامل العدد باستخد وبالمصفوفات

earn

#### Factors of a Number

Factors are the numbers that are multiplied. to get a given number

EX

#### Find the factors of 12

x 2 - 2

7 . 6 . 67

6 x 2 = 12

So the number 12 can be arranged in different ways into arrays.

 $12 - 1 \times 12$ 

12 - 2 \* 6

 $12 - 3 \times 4$ 

The fectors of 12 are P, 2, 3, 4, 6 and 12

The factors of a number are written without repetition.

Ex. Write the factor pairs of 16:

16=1×16 16=2×8 6=4×4 16=8×2 16=16×1

So the factors of 16 are 1, 2 4 8 and 16

#### Factors of a Number Using Arrays

### Activity Write the factor pairs and factors of each number:

(B)

1 x 6 6 x 1

2 x 3 3 x 2

Factors are 1 2 3 6

18

1 x 8 8 x 1

Fartgrs are 1 2, 4, 8

Θ

1 x 18 18 x 1

2 x 9 9 x 2

3 x 6 6 x 3

Factors are 1 2 3 6 9 18

**(**)

25 x 1 1 x 25

5 . 5

Fartors are 1 5 25

## Activity Complete:

- The number 5 has 2 factor is
- The number 1 has 1 factor (s).
- G The number 9 has 3 factor(s)
- © 1 2 3 6 are the factors of number 6

## Activity

#### Match each number with its factors:

20

0 10

1,2 7,14

10

1,2 4 5 10 20

#Ge-ft Math from Fast form Al.





### يوقت – تطبيقات حيانية على الوقت



One hour = 60 minutes Two hours = 120 minutes



#### How do we tell the time?

We look at the minutes hand and count by skipping 5 to the number where the minutes hand stands.



fuhe minutes hand is in the left half, we say 'to

25 lo



In the right haif, we say past"

20 post



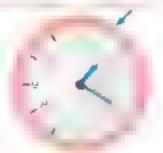
We look at the hours hand and write what it indicates.

When the hours hand falls between two numbers.



in the case of using (to)
we always the argest number

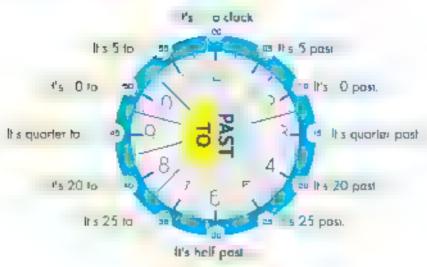
25 to 2



in the case of using (past), we choose the smallest number.

20 post 1





			It a di clock		
4 Z 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	03 05 145 5 post 3	-	[]  [ 	-	it i ts quarter pass 3
p.	01 20 11's 20 post 3	-	file 25 post 3	-	31 ], s half past 3
1	03 35 Irs 25 to 4	1	[] [] s 20 to 4	-	33 J squarter to 4
'	[15] #s 0 to 4		rarq No 5 to 4	_	]H []] It's 4 clock

## Activity

#### Write the time shown on the digital clock and in words



9 - 00

9 o'c ock

Ð.

6 4 05

5 past 6



12 + 10

10 past 12



1 15

Quarter past 1



87:38

Half past 7



33 35 25 to 4



11:50 10 to 12



10.45 Quarter to 11



- 00

his id to clock



. 50

It's 20 post 7



5 - 10

Pa 10 past 5.



12 35

0's 25 to 1





03.45

Quarter to 4



#### مفعوم القسمة – تطبيقات حيانيه على القسمة

#### Division is the distribution of a number of things into equal groups.

القصمة من تقسيم هند أو خليته بالتساري.



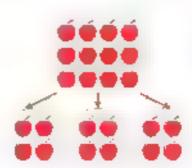
There are 12 apples that need to be divided equally between 3 baskets. Draw a part part-whole model to show the answer!

#### To a vide the apples

We draw 3 circles

Draw one apple in each circle.

Repeat the same step as before until all the apples are distributed.



### Each basket will contain 4 apples

The following model is called a part-part-whole

12

### We can express the division process as follows

Dividend العمسوم

Divided by على زرعر القسمة)

Divisor المقسوم علوه

Quehent بلتج القسمة



### Activity Answer the following

- There are 20 fish that need to be placed equally in
  - 4 bowls How many fish should be put in each bowl?

Draw a partipart whole model to show your answer.





High

- Cycle each A dots together
- Cgunt the groups

30

The teacher has 30 crayons to be shared equally between 6 students.

What is the share of each?

Draw a part-part-whole model to

show your answer.

30

#### G Each cat needs 3 fish for which.

How many cats will we feed

Diaw a partipartiwhole model

12

five have 12 fish?

to show your answer.



## Letivity

#### Oivide:



#### بعلاقة بين الصرب والفسمة

If 3 × 6 = 18, then

### Multiplication & Division Fact Families

Ex.

$$18 \div 6 = 3$$

3 (

1 1 3

## Activity

Find the missing factor in the triangles, then write the four equations to complete the last tamey

0

28

O

32

Θ

42

$$7 \times 4 = 28$$

$$8 \times 4 = 32$$

$$4 \times 7 = 28$$

$$4 \times 8 = 32$$

$$7 \times 6 = 42$$

$$28 + 4 = 7$$

$$42 + 6 = 7$$

$$28 + 7 = 4$$

$$32 + 8 = 4$$

$$42 + 7 = 6$$

7



### Learn

#### Different Forms for Division



Dividend

Divisor

Qualient

Quotient

$$\frac{8}{3(24)} + \frac{124}{3} = 8$$

Divisor

## Civity Divide

$$O(\frac{10}{2}) = 5$$
  $O(\frac{30}{5}) = 6$ 

$$G_{4}^{8} = 2$$

# Activity Divide.

**a** 4 12

O 7 63

€ 6 48

**⊕** 2 6

@ 3 15

10

@ 7 7g

G 3 21

**6** 9 36

0 5 5



36 ÷ 4 = 9

## Activity Complete:



The array can be expressed using a multiplication problem or a division problem

## Multiplication [

$$3 \times 4 = 12$$

$$4 \times 3 = 12$$

#### Division

$$12 + 3 = 4$$



$$12 \div 4 = 3$$

## Activity

Express each of the following arrays using one multiplication problem: and one division problem.

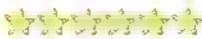














## Leeson

#### Polygons

#### OWNER

 Identifying the air butes of Facdimens on Strapes
 Octions attended based tot also fullet
 Son Face-dimensions Strapes
 Dassed on Thomas aboves
 Tothoning alloger area
 Database agraes

## 2

#### Properties of Quadriaterass

#### Turn Fer

Appring rows to sort quadritaints; Conttinuo quadritaintats il cieata a pirmie Financija har glighti spiaserting quadritaintats to meate a olitice

## Lesson

#### Area

uindine
Determining the area of ectanotes using insteades lettered to multiplication.



#### Rectongles with Equal Area - Area Using Models

#### Jahren Co.

- e realing and deer along more procer angles with the same area.
- Extram and magazitie
   Communitative Property of
   Multiplication
   Perform area of their own empts
   Aprilating dealegies of the agents
   area



# Area by Splitting Arrays - Distributive Property on Multiplication

#### Charles they

Done by an eye unity smaller strays to solve multiple attention confidence explaining which wiseing actors make a easier to solve shaller one Distribution in Productive? Multiple attention of the Productive? Multiple attention of the Productive? Applying the Distribution of problems Explaining the Distribution of Distribution of Program of March Indiana.



### **Polygons**

المضلعات



#### Polygon

tis a closed shape formed from 3 fine segments (sides) or more-

بعصيع من سك معنو سامر الاسم سكور من " يبلغ مستقيمة ... او كل Angle Sina Verlex.

#### n any polygon.

the number of aidthe number of ungress the number of vertiles.



### Color only the polygons



ne Segment عطمه سنقيمه Polygon Vertex 5<sub>vde</sub>

Angle



## الأَشْكَالَ ثَنَائِيةُ الرَّبِعَادِ (2D-shapes) الأَشْكَالُ ثَنَائِيةُ الرَّبِعَادِ (Two-dimensional Shapes

3 Sides 4 Sides 5 Sides 6 Sides 7 Sides 8 Si	ides
--	------

Triangle Quar	drilakerak Pentagor	Некадол	Heptagon	Octagon
Shape	Name		Attributes	
	87M1812	Sides	Vertices	Angles
	Circle	Û	Û	Ø
	Trlangic	3	3	3
	Quadrilateral	4	4	4
	Pentagon	5	5	5
	Hexagon	6	6	5
	Meptagon	7	7	7
	Octagon	9	8	В



#### Color the quadriateral shapes (4 5 265):





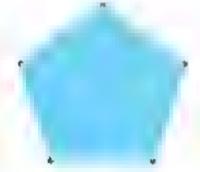


# Activity

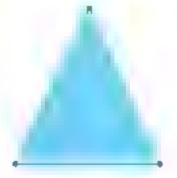
Draw:

A shope with 5 sides

A shape with 3 sides



The shape's name Pentagon



The shape's name Triangle

Activity Complete the following sentences.

- O The triangle has 3 sides, 3 angles, and 3 vertices.
- The permagon has sides but the hexagon has sides
- O The ortagon has 8 angles but the heptagon has sides.
- Thequadrilateralis a polygon that has 4 sides.





#### Properties of Quadrilaterals

خوص الأشخال الرباعية

#### earn

#### الخطوط المتوارية Paraliel Lines

Parallel lines can go on forever and never intersect

### EX. of paratiel lines:



The opposite edges of a TV



The apposale edges of the wooder ladder



Acute angle

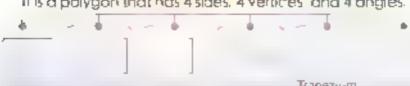


Right angle



#### Quadrilateral

If is a polygon that has 4 sides, 4 vertices, and 4 angles.



Palattetug am Rectangle

Square

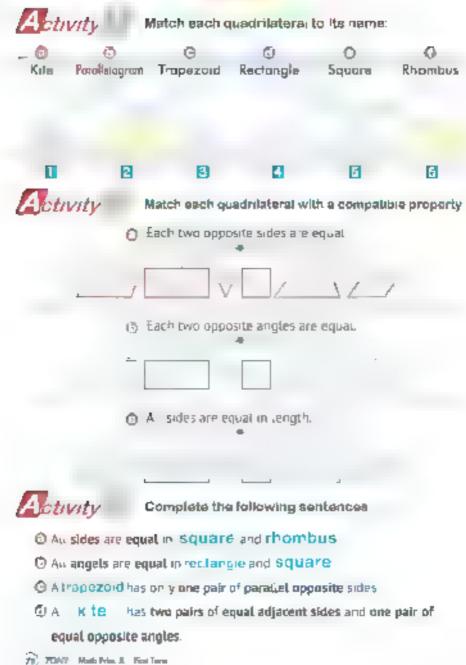
Rhombus

Tracezoum T apczoid

Kite

Constallation 1	B.I	Attri	Attributes			
Quadrilateral	Name	Sides	Angles			
	Parallelogram	Each two opposite sides are equal and parallel.	Each town opposite angles are equal			
	Rectangle	Each two opposite sides are equal and parallel.	Assangles are equal Each angle is right angle			
	Square	Each two opposite sides are paramet Attisides are equal.	Aix angles are equal. Each angle is right angle			
	Rhombus	Each two opposite sides are paratter Atl sides are equal	Each two opposite angles are equal			
•	Trapezoid	Only one pair of opposite sides is paratiel.				
6. 3	Kite	Two pairs of adjacent sides are equal.	One pair of opposite angles is equal.			
oir Itributes	ے سلامی	Opposite  Adjacent	مقبن			







المسرحة

#### Area

t is the number of square units in which the shape is farmed.

الصاحة؛ في عبد الوحداث الربعة التي يتكون منه؛ الشكل

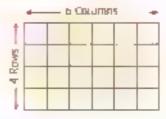
To find the drea of a rectangle, we follow one of the following strategies.

Array Strategy:

Area = Number of rows X Number of columns /

Ex.

Area = 4 X 6 = 24 square units



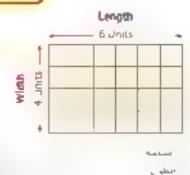
Length X Width Strategy:

Area = Length X Width



Area = 6 X 4

≈ 24 square units



Square inits Width

garden of the Area العرشر Langth

#Griff Math him



# Activity

#### Find the area of each shape



Number of rows = 3 rows

@ Langth = 7 units 2 units Width =

Area = 7 X 2 = 14 square units



Number of rows = COWS:

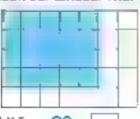
Number of columns = 7 columns Number of columns = 7 columns

Area = 28 square units

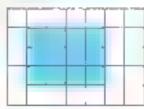
# Activity

Use the grid to draw a rectangle representing each of the following: multiplication sentences. Then calculate the area:

0

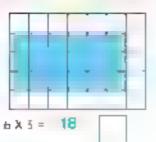


 $4 \times 5 = 20$ 

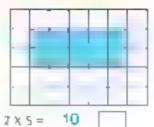


3 X 4 = -12

0



**(1)** 





#### Rectangles with Equal Area - Area Using Models مستطيلات منساوية الهساحة - المساحة باستخدام التهادج



More than one rectangle can be created with the same area.

ممكل إنشاه اكثر من مستطيل له يقس عسامة

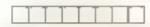
**EX.** You can draw more than one rectangle with an area of 8 square units each:



Area = 4 X 2 = 8 square units



Area = 2 X 4 = 8 square units



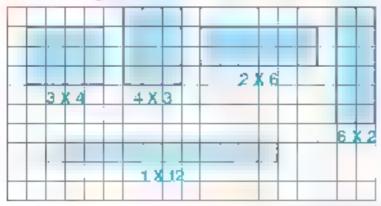
Area = 8 x 1 = 8 squale units



Area = . X 8 = 8 square units



Oraw on the gric as many rectangles as you can get from the same area, which is 12 square units.



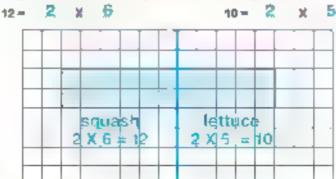


# Activity

Heba has two rectangular gardens, one for lettuce and one for squash. The squash takes up 12 square units and the lettuce takes up 10 square units. What would her gardens look like?

Remember, the gardens are certangles with the same number of square units (n each row.,

Draw the gardens below. They must fit on the grid paper.

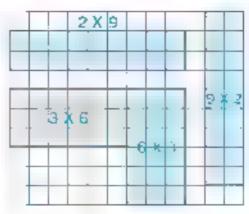


# Activity

On the grid below, draw and label as many rectangles as you can with the given area. Then, write equations that match your rectangles.

18 square units.

$$18 = 6 \times 3$$



# 48.5

### Area of the Rectangle

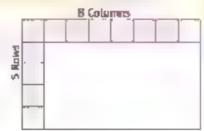
The area of a rectangle or square can be carrulated by mills plying its

dimensions (length and width)

The dimensions of the opposite figure are 5 units 15 rows and 8 units 16 columnsy.

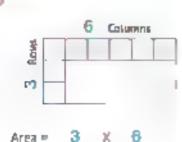
Area of the rentangle

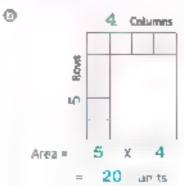
= 40 square אַנייט ts

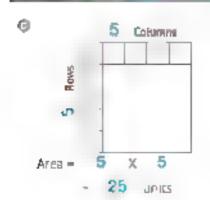


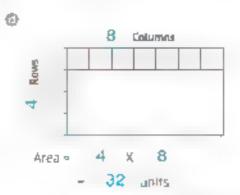
# Activity

#### Find the area of each shape.













Area by Splitting Arrays - Distributive Property on Multiplication المساحة بمقسيم المصفوفات خاصية التوريخ في مضرب

When dividing the array into two parts.

we notice that the sum of their products is equal to the product of the original array.

عد تعميم مستومه ، مراي الأخظ ، معمرج حندي مريزما يستران حامل له . الصنولة المنسية

in the opposite array;		9 Columns	
Number of rows = 4 Number columns = 9 Area = 4 X 9 = 36	4 Rows		
		4 X 9 + 36	
in the following figure:			
We divided the array into two par-	ts 4 X	6	4 X 3
Area of the first part	6 Calu	mns	5 Columns
= 4 X 6 = 24			
Area of the other part = 4 x 3 = 12		4 Rows	
By adding the area of the two par	ts	4 X 9	
Total area = 24 + 12 = 36			
From above 4 X 9 = (4 X 6) +	(4 X 3)		
	- 12	/TI	tive Property)

We shallyide teamsy the environment of a service.

$$4 \times 9 = (4 \times 2) + (4 \times 7)$$

2 Columns

7 Columns

Therefore

4 X 9

$$4 \times 9 = \{4 \times 5\} + (4 \times 4)$$

Therefore

$$4 \times 9 = 4 \times (5 + 4)$$
  
=  $(4 \times 5) + (4 \times 4)$   
=  $20 + 16 = 36$ 



# Activity

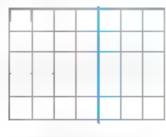
Complete using the Ois ributive Property



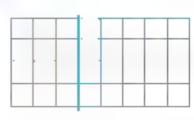
# Activity

Divide the following arrays according to the Distributive Property:

0



0

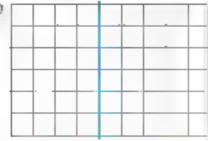


# Activity

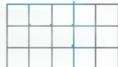
Divide the following arrays, then use the Distributive Property.

يوجد أجابات منقددة





6 x 4 + 6 x 5



3 x 3 + 3 x 2

# Activity Complete.

$$G = 4 \times 8 = (4 \times 5) + (4 \times 3)$$

Activity Complete as in the example:

$$0.7 \times 13 = 7 \times 10 + 3 = 7 \times 10 + 7 \times 3$$

$$6 \times 15 = 6 \times (10 + 5 = 6 \times 10) + (6 \times 5)$$

Activity Complete as in the example:

$$\Theta(6 \times 3) + (6 \times 2) = 6 \times 5 = 30$$

$$\Theta(4X9)*(6X9)=10 \times 9 = 90$$





#### Perimeter of Polygons

deasuring the polygon's ode lendant of the

Demontply the name of Call attacking the perimeter of

paragine i or Ex laining shyperimene is a hear messyl-impo-

or angerthose etween notagons while there provide a the



# Perimeter and Area Area

DRIVER CHEST THROUGH

of given arrays with some units

measticement

goen, his the trib to and incom- Deciding the muldensylves, all melvids losed to solve area.

 Roplished a motiens of sciangelise to unive area problems.

Examining the districted they alway to solve alex or others.



#### Different Permeters for the Same Area Different Areas for the Some Perimeter

in including the entire complex enti de amelaria

Cart on the elections of a re langles with the same area but h on thin a

run ing a Vereni reclangles cetto di amo el meter

mounting the alexistic religious Fill in unignermelers bin a fle and dittire to

Using the Dimensions Area Jsing Different Strategies TOP ш

as aining the difference between

a microgate recognization area техоли

Fig. mining why agos is ent a linear

a informatible area or a remangle

publication

#### Applications or Perimeter and Area

Copp. 1809

Allefang - gregger groupsgreat to be a latticipe of the best property. Appoints their ranter and all appoint arra son definitele na milite anticephleme.

Multiplying by Multiples of 0

Capt that

alsopeoing by 10 and mulcioles of

 Men dying an earn unit girallerus contented when multi-raining by Ds.



#### Pelimeter of Polygons

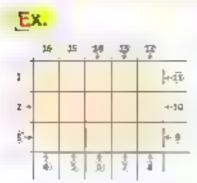
محيط بمضلعات



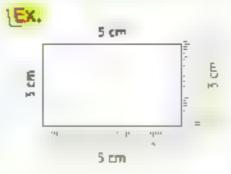
# The penme or of any shape is the length of the outer line that surrounds the shape

محتم این سال هو طور اقتامهٔ ایجار حی ادان بعدا هم انسالا

I the figure is drawn on the square grid, we count the outer the units surrounding the figure If the figure is drawn on white paper we measure the lengths of its sides using a ruler and add these lengths together



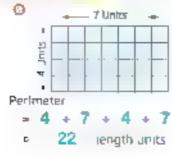
Perimeter = 16 length units

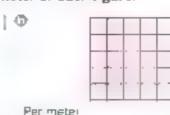


Perimeter = 5 + 3 + 5 + 3 = 16 cm



#### Find the perimeter of each figure:





= 5 + 5 + 5 + 5 = 20 ength units





## The Perimeter of any Polygon

The parimeter of any polygon equals the sum of its side lengths



Ferimeter = 5 + 4 + 2 + 3 + 2 = 6 cm



Use a ruler to measure the length of each side of the following shapes, then find the perimeter

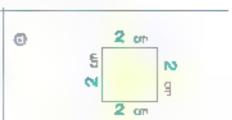




Perimeter

#### Perimeter





Perimeter

#### Perimeter



Perimeter and Area - Area Using the Dillensions Area Using Different Stralegies الهجيحا والهساحة أأهساحه باستحدام البغاد ألهساحه بإستراثيجيات مسوعة



- · Perimeter is the ength of the lines that surround the figure from the oulside.
- Area is how many units of space the shape contains from the inside.

Perimeter \* 22 length units Area = 28 square units



# Activity

Find the area and perimeter of each of the following.





= 25 square units

Area = 5 ×

= 35 square units

5 X Area =

Perimeter Per meter

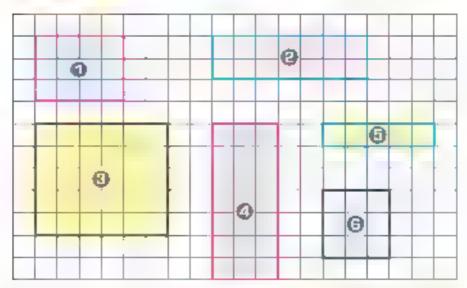
= 5 + 7 + 5 + 7| = 5 + 5 + 5 → 5 20 length units

0





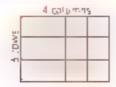
#### Look to the following grid then complete the table.



Shape	Perimeter	Area
1	3 + 4 + 3 + 4 = 14 length unics	3 x 4 = 12 squale units
2	2 + 7 + 2 + 7 = 18 length units	2 x 7 = 14 square units
3	5 + 6 + 5 + 5 = 22tengrh units	5 x 6 = 30 square units
4	7 + 3 + 7 + 3 = 20tengrh units	7 × 3 × 21 square up ts
5	1 + 5 + 1 + 5 - 12 engrh units	1 × 5 - 5 squale units
6	3 + 3 + 3 + 3 + 12 length units	3 X 3 = 9 square units

#### Strategies for finding the area of a rectangle and square

#### Array Strategy



3 rows, 4 units each

3 columns				
y.				
80.				
n				

3 rows, 3 units each

Area = 4 + 4 + 4 = 2 square units. A  $\Rightarrow 0 = 3 + 3 + 3 = 9$  square units. (3X3) [3X4]





Area - Length X Width - 4 X 3 - 12 square units



rength = 4 anits, Width = 3 units | rength = 3 units, Width = 3 units

Areo = Length X Width

= 3 X 3 = square units







Area  $\leftarrow 3 \times 4 \rightarrow (3 \times 2) + (3 \times 2)$  Area  $= 3 \times 3 - (3 \times 2) + (3 \times 3)$ 

$$=6+6$$

= 12 square units

$$= 6 + 3$$

= 9 square units



# Chvity

## Find the area of each shape using two different strategies

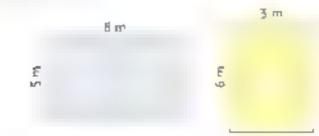
Shape	First Strategy	Second Strategy
	2 Rows of 4 4 + 4 ≈ 8	4 X 2   8
	Azea = 8 square units	Area + B square units
	4 X 4 = 16	4 + 4 + 4 + 4 - 16
	Area = 16 square units	Area + 16 square units
₽ 4	4 X 2 · 8	2 + 2 + 2 + 2 = 8
2 cm	Area = 8 square cm	Area = 8 square cm
E .	2 X 2 4	2 + 2   4
2 cm	Азеа = 4 square cm	Area = 4 square.cm



Find the area of each of the following rectangles:



O Ahmed wants to build a 30 square meter goat farm. Find the area of the following two pieces of land, then decide which one is suitballe for building the farm.



- Area of the first piece = 8 x 5 = 40 square meters
- Area of the second piece = 6 X 3 = 18 square meters
- The suitable piece for building farm is First

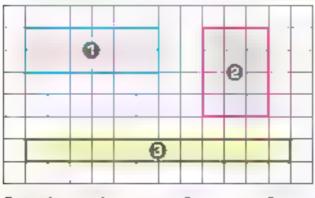


# Lessons

#### Different Perineters for the Same Area -Different Areas for the Same Per meter

محيطات مختلعة سعس مسحة المسحات محسعة سفس المحيط

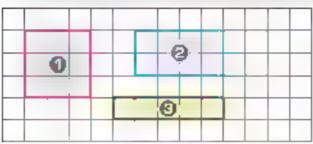
#### The following gold shows a number of cartangles.



Restangle	1	Z	3
Area	12 sq. anits	12 sq. units	12 sq. units
Perimeter	16 length units	14 length units	26 length units



- Reclangles with the same areo, do not necessorily have the same perimeter
- The same area of two rectangles means that the two dimensions have the same product.



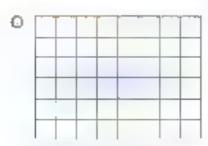
Rectangle	1	2	3	
Arde	9 sq. Jnits	Risq units	5 5Q units	
Perimeter	12 ength units	12 ength on ts	17 ength unios	



- Rectangles with the same perimeter, do not necessarily have the same area.
- The some per meter at two rectangles moons that the two dimensions have the same sum

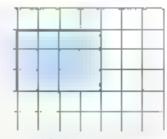
# Ctivity

Draw a rectangle with the same area as the given rectangle, but with a different parimeter:



Area = 12 square units

Perimeter = 16 ength an ts



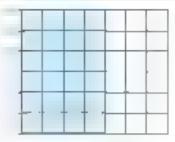
Area = 12 square units

Perimeter = 14 .ength units



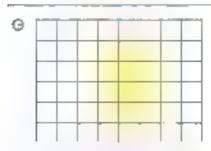
Area = 24 square units

Perimeter = 22 ength units



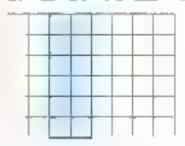
Area = 24 square units

Perintetel = 20 Length units



Area = 12 square units

Perimeter = 14 ength units



Area = 12 square onits

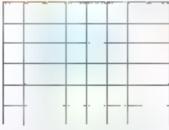
Perimeter = 16 Length units



Le tivits

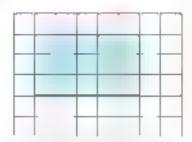
Oraw a rectangle with the same parimeter as the given reclangle, but with different area:





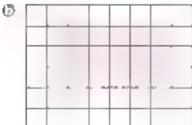
Area = 15 square units

Perimeter = 16 length units



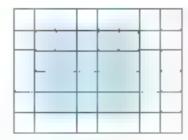
Area = 16 square units

Per meter = 16 length units



Area = 18 square units

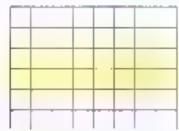
Perimeter = 18 length units



Area = 20 square units

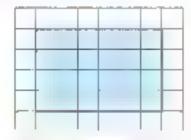
Perimeter = 18 length units

Θ



Area = 16 square units

Perimeter = 20 length units

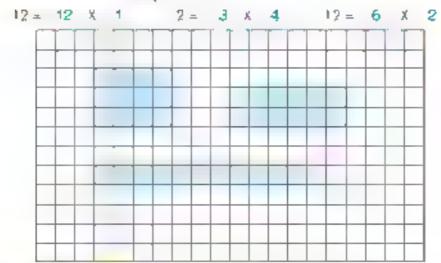


Area . 24 square units

Per meter = 20 kength units

# Letivity

Draw 3 different rectangles with an area of 12 square units

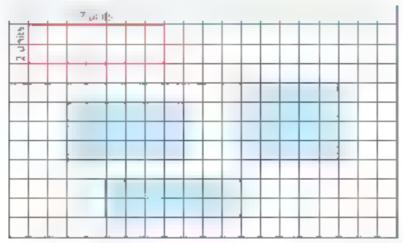


Ctivity

Draw 3 different rectangles with a perimeter of 18 linear units

Length + Wridth (half perimeter) + 8 ÷ 2 = 9 units

.+W = 7 + 2 = 9 + w = 7 + 2 = 9 ,+ w = 5 + 4 = 9





# resson

# Applications on Per meter and Area لطبيقات حياتية عنى المحيط و توساحة

#### EX

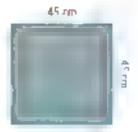
A rectangular foom measuring
6 meters long and 5 meters wide
Find its perimeter and area
Perimeter = 6 + 5 + 6 + 5 = 22 meters
Area + 5 X 6 + 30 square meters



# Livity

Shaimas is sewing a border on a square baby blanket. The length of the blanket is 45 cm, and the width is 45 cm. How long will the border be?

The length of the border



# Activity.

Farouk is building a patio out of tiles. He wants the length of the patio to be 7 tiles across and its width to be 6 tiles. How many tiles will be use in all to build the patio?

The area of the border

# Letivity

Omnia wants to put a wooden frame around her window. The window is 4 meters tall and 1 meter wide.

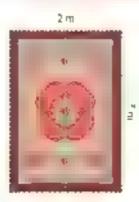
How much wood does she need for the frame?



The tength of the wooden frame

# Activity

A rug is 3 meters long and 2 meters yide. What is the area of the rug?



Area

= 3 x 2 = 6 square meters



Lesson Multiplying by Multiples of 10

الضرب في مضاعفات العدد 10



When multiplying by multiples of 10, we take out the zeros and then continue the multiplication

عند فميرين في مشاعلتان الـ 10 مغرج الأسفار في ذكين الميري

# Je tivity

#### Find the result

@ 5 X 30 = 150

() 4 X 60 = 240

@ 7 X 20 - 140

F17X40+ 280

0.30 + 30 + 30 = 3 X 30 = 90

⊕3×90 + 90 + 90 + 270

 $0.3 \times 70 = 70 + 70 + 70 = 210$ 

CO

Ex.

Litivity

Complete as in the example:

Ex.

$$\bigcirc 4 \times 80 = 4 \times 8 \times 10 = 32 \times 10 = 320$$

$$0 + 4 + x + 90 = 4 + x9x + 10 = 36x \cdot D = 360$$

PONT Math Print 2 First Toron (153),



#### Patterns of Multiplying by Multiples of 10

Explanation, patterns introduced when multiplying in multiplication of

his lading and applying pallanis and a slage! when mill though it

Izachong robert one manggy for multiplying to

#### Facts on Multiplication and Addition

Ideolitying patients or nettleheation and adolbut

Explained. Sow patter is observed to really heat for who to the form on the wipt when to any Brute other

oe, ig avariate to live addition and multiplicative residences within matery

#### Companing and Ordering Numbers in Different Forms

Ido - Miray and describing address to the Place Vilor testing result at this suff aix Applying transgre for order agriculturers

# Addition Strategies

Special and another haloses to the addition relation Explaine the present orwaring of the oil. prosimessiong a neger

# Strategies of Multiplying | Lesson Subtraction Strategies

ing. In the relationship between section and substance. Appropriate the state of the st brid armad terms are an ira con sucleita

#### Applications on Addition Lesson and Subtraction

opoli ag introper inferioration and per se ou ago junto sos heller dray on inchanging describing early diverge the appropriate to grantle

#### Capacity - Reading Copacity

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A. The region to be posses of the state of the part of the state of th localitying he end util to daysorb, he velocite if a

que en la Maria de Healtha intomo incassiemente di aletaridaro

of other by the Mind with they live branco again countergrangers of



## أنواط الضرب في مضاعفات العدد 10



#### Learn

When multiplying by multiples of 10, we take out the zeros and then continue the multiplic alion.

## Multiples of 10 are, 10, 20, 30, 40, 50, 60, ...

## Ex.



# Activity

#### Find the product

 ⊕ 9 x 30 = 
 □ 270 (5) B X 20 = 160

@ 60 X 40 = 2,400

© 90 X 20 = 1.800

@ 6 X 200 - 1,200

@ 5 x 200 = 1,000

© 500 X 30 - 15,000

@ 200 X 3,000 = 600,000

# Activity

#### Complete the following:

@ 50 X 2 = 100

@ 30 X 500 = 15000

@ 80 X 200 = 16,000 @ 10 X 2,000 = 20,000

⑤ 30 x 70 = 2 100

6 500 x 20 - 10,000

# Activity

#### Complete the following:

4 x 60 - 4 x 6 x 10 - 24 x .D - 240

@8x30 = ( 8 x 3 )x10 = 24 x 10 = 240

 $0.5 \times 80 = ($  5  $\times$  8  $\times 10 =$  40  $\times$  10 = 400

 $\Theta = 1200 = (6 \times 2) \times 100 = 12 \times 100 = 1,200$ 

 $\bigcirc 9 \times 4,000 = \{ 9 \times 4 \times 1000 = 36 \times 1000 = 36,000 \}$ 



## سترابيجيات لضرب في العدد 9

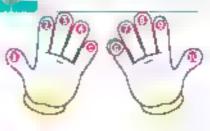


# (EX. 9 X 6

Number your fingers from the eff hand to the right hand (1-10).



Starting on the left count until you get to the 61 finger.



Put that finger down. This is the division between the Yens and the Ones now



Count how many fingers are on the left in the Tens, and how many are on the right of the down finger and these are the Ones.



ACAR Mah han

First form (G)





#### Use the Finger Trick Stralegy to find:



5 X 9 45



72



18

## Strote .

1 X 9 = 😝

D + 0 = 3

2 X 9 - 🤲

1 + 8 7

3 X 9 = 27

2 + 7 = 9

4 X 9 = 36

3 + 6 = 9

5 X 9 - া

4 + 5 = 9

6 X 9 = 60

5 + 4 = 9

7 X 9 - 63

6 + 3 = 9

8 X 9 = 72

7 + 2 = 9

9 X 9 = 81

8 + 1 = 9

10 X 9 = 90

9 + 0 = 9

		1
	C	
1	of the	
1	ш	
1	1	
1	2	

2	3	4	5	6	7	8	9	10
12	13	14	15	16	17	18	19	20
22	23	24	25	26	27	28	29	30
32	33	34	35	36	37	38	39	40
42	43	44	45	46	47	48	49	50
52	53	54	55	56	57	58	59	60
62	63	64	65	66	67	68	69	70
72	73	74	73	70	77	78	79	50
82	B3	84	85	86	m	88	89	90
19	93	94	95	96	97	98	99	100
LOO	100.1	шм	HOLE	106	107	108	109	110
112	113	114	1.1.5	116	117	118	119	1.20
	12 22 32 42 52 62 72 82	12 13 22 25 32 33 42 43 52 53 62 63 72 73 82 83	12 13 14 22 25 24 32 33 34 42 43 44 52 53 54 62 63 64 72 73 74 82 83 84 111 93 94	12 13 14 15 22 23 24 25 32 33 34 35 42 43 44 45 52 53 54 55 62 63 64 65 72 73 74 73 82 83 84 85	12 13 14 15 16 22 23 24 25 26 32 33 34 35 36 42 43 44 45 46 52 53 54 55 56 62 63 64 65 66 72 73 74 73 70 82 83 84 85 86 11 93 94 95 96 11 11 11 11 106	12 13 14 15 16 17 22 23 24 25 26 27 32 33 34 35 36 37 42 43 44 45 46 47 52 53 54 55 56 57 62 63 64 65 66 67 72 73 74 73 70 77 82 83 84 85 86 111 111 114 114 116 106 107	12       13       14       15       16       17       18         22       23       24       25       26       27       28         32       33       34       35       36       37       38         42       43       44       45       46       47       48         52       53       54       55       56       57       58         62       63       64       65       66       67       68         72       73       74       73       70       77       78         82       83       84       85       86       88         83       94       95       96       97       98         84       85       86       107       108	12       13       14       15       16       17       18       19         22       23       24       25       26       27       28       29         32       33       34       35       36       37       38       39         42       43       44       45       46       47       48       49         52       53       54       55       56       57       58       59         62       63       64       65       66       67       68       69         72       73       74       73       70       77       78       79         82       83       84       85       86       88       89         83       94       95       96       97       98       99         83       94       95       96       97       98       99         84       85       86       107       108       109

# Tont Facto Strategy

Ex. To find 9 X 6

Drown made n CX 6 Let cross one group of 6

9 X 6 = (10 X 6) 6 = 54



# Activity

### Use the Tans Facts Strategy to find:

@9X7 7 7 7

 $9 \times 7 = (10 \times 7) - 7 = 70 - 7 = 63$ 

@9 X 5 5 5 I

9 X 5 = 10 X 5 5 = 50 5 = 45

@9 X 8 8 8 8 8 8 8 8 8 8

9 x 8 = 10 x 8 8 = 80 - 8 = 72

Ø9 X 3 3 3 3 3 3 3 3 3 3

9 X 3 = 10 X 3 3 = 30 3 = 27

## Activity Complete using (< = or >):

⊕9X7 > 6X9

■8x6 > 9x5

# Activity Complete the following

**⑤**9x 3 = 27

⑤ 9 x 5 = 45

@ 9 X9-81

**□** 9 X 6 = 54

0 0 X9-0





#### Adding by Zero

The sum of any number and is the same number.

#### Adding to 1

The sum of any number and a isthe number which comes just after

#### Commutative Property of Addition

Addends can be added in any order.

Doubling Numbers = Multiplying by a

### مقائق الضرب والجمع

#### Multiplying by Zero

The product of any number and 15 2PP0

#### Multiplying to 1

The product of any number and 1 is the same number.

### Commutative Property of Multiplication

Factors can be multiplied in any order

### Distribution Property of Multiplication



## Activity Find the result of the following

$$(3.7 + 3 = 10)$$

## Activity Compete the following:

$$\mathfrak{D}/x5 = 7 \times 2 + \epsilon \times 7 \times 3 = 14 + 21 = 35$$

$$\Theta 9 \times 12 = 9 \times 10 + 9 \times 2 = 90 + 18 = 108$$

$$\odot$$
 7 x 10 = 7x1 + 7x7 = 21 + 49 = 70

## Astrvity Complete using (X or +;



## بقارية وتربيب الأعداد بصيغ متبوعة

Þ		
	70	
	4	

Hundreds 3	Thousan Tens B	Ones 4	Hundreds 8	Tens 7	Ones
Standard F	orm.		364,87	2	
Word Form	n		dred sixty for ndred and sev		t, eight
Short-word	d Form	3	64 h Pard	and 872	
Expanded i	Form	* DDD,000	60 000 + 4,0	00 + 800 +	70+2
Units Form	,	364 Think no. 1971	ds + Bielond e	dy + 7 Ten	6 4 2

Place Value	Hundreda Thousanda	Ten Thousands	Thousands	Hundrods	Tens	Ones
Pilitor Irliandi	+		4	+		4
	5	5	5	5	5	5
Ąэшe	÷ 50∟,000	* 50,000	5,000	÷ 500	÷ 50	*



The digit 5 in 35,792 is in the Thousands place and its value is 5,000



## Ex.

- The number 56 258 comes at after 56, 257
- The number that comes it is Hor 56 258 a 56 259

## Ex.

- The number 336,999 comes in air bo - - 337 000
- The number that comes is ... Lar 6 326 009 : 336 998



D Twenty-five thousand, six hundred and eleven = 25,611

fin standard form,

- 5 700,618 in word (orm). Seven hundred shousand, an aundred eighteon
- @ 700,000 70,000 5,000 800 50 3 775 853
- 98 Thousands + 6 Ones + 5 Tens + 7 Hundreds = 98,756
- G 70+0+0+4= 74
- 0 7.856 = 7.000 + 800 + 50 +
- The number that comes just after \$6,299 s 36 300
- @ 700 250 comes just after 700 249
- The number 900 000 comes right after 899 999
- The number that comes just before 75,000 s 74 999
- O 3 156 comes just before 3 157
- The number 15 199 comes just before 15,200.

- @ The place value of 5 in 224,569 is Hundreds.
- The place value of 7 in 789,895 is Hundred Thousands
- The value of the digit 7 in 79 159 5 70 000
- The value of the digit 2 in 8 128 is 20
- The argest 5 digit number is 99 999
- O The smallest 6-digit number is 100 000
- The largest and the smallest numbers formed from the digits

(7.2.0.6 and 3) are 76.320 and 20.367



### Complete the following table.

	Number	The Plan - Van is of the Encircled Digit	The value of the Encircled Digit
0	4 55 369	Hundred thousands	400 000
0	3 6 2 5 1 2	Ten-thousands	60 000
G	28 n 239	Thousands	O
0	696 2 7 4	Tens	70
0	51 78 0	Ones	0
0	39 9 24	Huncreds	900





# Activity

### Complete using the following set of numbers

@ (3,5,0,4,7)

The largest number 75,430

The smallest number 30,457

@(8,5,4)

The largest 6 digit number 888 854

The smallest 6-dig thumber 444 458

## Activity

## Complete using (< -- or >).

255.458 < 667102</p>

© 155,258 < 155,528

@ 50,502 > 50,205

45,000 + 4545,450

@ 20 Hundreds = 2,000

@ 3 + 500 + 2,000 < 3,520

① 45 Thousands + 5 Hundreds + 3, Tens 45,810

The smallest 5 different digit number < 12,345

Ninety thousand and nine < 900,009



### استراتيجيات الجمع



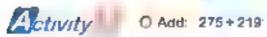
### To add: 258 + 436

Hundreds	Tens	Ones	Hundreds	Terre	Ones
		2	+		
5	5	8	4	3	6
Hundreds	Tens	Ones	Hundreds	Tens	Ones
= - []		±,i	13		

### To add: 284 + 373

Hundreds	Tens	Ones		Hundreds	Tens		Ones
_		1.1	+				
5	В	4		3	7		3
Hundreda	Tens			Ones	Hundreds	Tens	Ones
=					_ į		j. j.
5	15			7	6	5	7





Hundreds	Term	Ones	Hundreds	Tens	<b>Care</b>
		=1.	+ <u> </u>		
2	7	5	2	1	9
Hundreds	Term	Ones	Hundreds	Terrs	Ones
Hundreds	Term	1. L	Hundreds	Tens	Ones
	Teres 8			Tens	

So. 275 + 219 = 494

### @ Add: 478+185

Hundreds	Tens	Ones	Hundreds	Tens	Ones
			+ [		
4	7	8	1	6	5
Hundrede	Tens	Ories	Hundreds	Tapona	Ones
=			•		딕
		* ::::			

80,478+165= 643



### To add: 3,567 + 1,521



### Add using the Lypans ad Form Strategy:

Pro	blem		Wor	k Spa	ce			Sum
		500	+	60	+		7	
6 56	67 + 321	300	+	20	F		1	888
		800	ተ	80	+		B	
	1	700	4	80	+	3		<b>†</b>
O 70	3 + 138	100	+	30	+	8		921
	B00	+	110	+	11			
		6,000 +	200	+	30	+	7	
G 6,2	57 ÷ 1,582	1,000 +	500	+	80	٠	2	7,819
	7,000 +	700	+	110	+	9		
① 2,514+279	2,000 +	500	+	10		4		
	+	200	+	70	•	9	2 793	
		2 000 +	700	+	80	+	13	



## 143, The Number Line Strategy

Ex.

To add: 567 + 521





Bolve the addition problems below using The Number whe Strategy:





### إستراتيجيات لطرح





Ex.

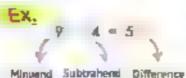
Subtract. 789 - 247 = 542

Hundreds	Tens	Ones
5	4	2

Check 542 + 247 = 789



To check your answer
we add the difference to
the subtrahend to get the
minuend



Check 5+4=9

Ex.

Subtract 5.627 - 1,285 = 4 342

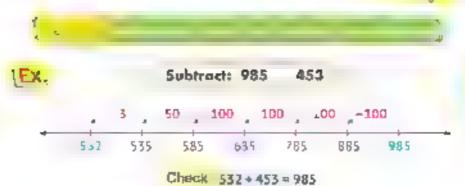




# Activity

# Solve the following subtraction problems using the Pinec value Picture Scrategy.

@ 785 234 = £	551			
Hundreds,		Terts		Quiek
7.5		5		# 1
Check	234 +	551 -	785	
	172			
Hundreds		Tens		Qnes
4		7		2
Check	156 +	472 -	628	
③ 3,524 - 1,403 = Thousands	2,121 Hundrads	Tien		Ones
r g				
2	1	2		1
Check	1403 +	2 121 =	3.524	
@ 6,625 · 2,162 =	4,463			
Thousands	Hundreds	Ten	5	Ones
n min		<u> </u>		
4	4	6		4
Check	2162 +	4,463 =	6 625	



Activity

### Solve the addition problems below using The Number Line Strategy:

	Subtraction Problem	Check
<b>a</b> !	853 532 = 321 -2 -30 -500 521 525 355 8.3	532 † 321 853
III.	7,625 - 1,213 = 6,412 -3 -10 -200 -1,000 6.4.2 6,415 6,425 6,625 7,625	1 213 +6.412 7 625
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## تطبيقات مباتيه عنى لجوع والطرح



#### Help your child know that

The following steps can be followed in the solution

1. understand what do we want to find.

Circle the questions

2. Plan what facts do you need

under he them

- 3. Solve using one of the methods we learned
- 4. Check whether your answer makes sense or not

Some Kerward can be used to discover the appropriate way to solve the problem, but you should not rely entirely on these words. The problem should be lead and understood well.

### Some Keywords

-	É & elelitumen	-60	a batter or out loss on	
of Addition		of Subtraction		
Add	- Sum	• ⊾eft	- Remainder	
Tota	Altogether	Subtract	Difference	
<ul> <li>relation</li> </ul>	- And	<ul> <li>How many</li> </ul>	more/less	
		- Remain	- Take away	



# The following table shows the borrowed books from a library during the month of September

Grade	P1	PZ	P3	P4	P5
Books Borrowed	435	317	278	107	259

#### Answer the following questions

(i) How many books did students borrow from F and P1 grades together?

435 + 317 = 752

- O How many books did students borrow from P. P4 and P. grades together? 278 + 107 + 239 624
- O How many more books have students borrowed from in grade han the grade?
  239 107 = 132
- Which class belrowed the aligns number of books?
  (4)



Amin's family is saving to buy a new TV. The TV costs 4 5% LE on sale. They have saved 2 410 LE so far. How much more money do they need to buy the TV?

# Activity

① Omar just moved to the city. He found an apartment to rent for 3 340 LE per month. Electricity and gas will cost him 692 LE per month.

How much money will it cost him each month to live in the spartment? 3 340 + 692 4.032 ⊾€

① If Omar had 5.0: LE to spend each month. How much money does he lave left after he pays for rent, electricity, and gas?
5.000 4.032 968 LE

# Activity

Mr Mahmoud raises chickens. In the past two years, his chickens have aid 5.350 eggs. Last year his chickens laid 2.120 eggs. How many eggs did his chickens by two years ago?





السعة قرءةالسعة

Capacity The annual to a region of a reson a residential

## Units of Capacity

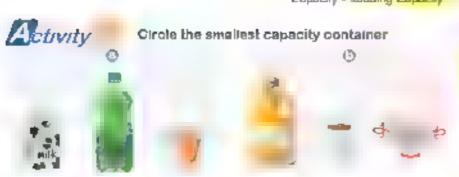


# Activity

## Circle the largest capacity container:



### Capacity - Reading Capacity





Mital ter

L ter

### What is botter for measuring the volume of iquid in capacity, in millir ters or iters?



Liter

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r . Et



## Activity

### Complete the following

- 1 .rter =
- 1,000
- m juters

- 3 5,000 mt =
- 5
- liters

- @ 7 ters =
- 2.000
- mullibers

- @ 7.000 mt =
- 7
- Litters
- To measure the capacity of a cup of teal we use
- O The items used to measure capacity

## The Graduated Cylinder

tiss altool for measuring the capacity of aquids

It is graduated like a ruler

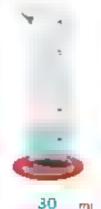
### in the apposite figure:

The lapacity of the iquid in the graduated cylinder is 50 mil

## Activity

### Write the capacity for each of the following

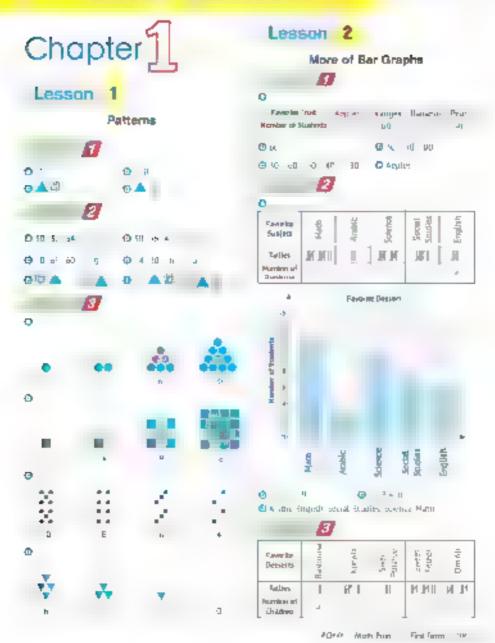




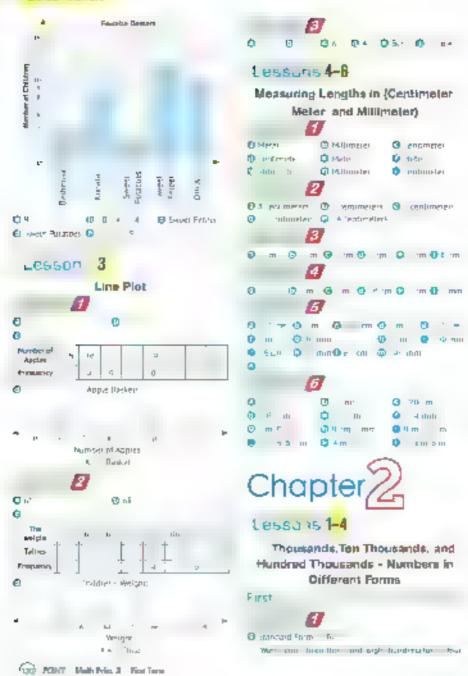


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# **Guide Answers**



#### Cruida Answers





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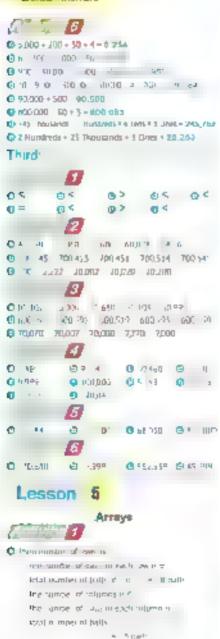
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burgards and els

Denn Chapt

#### Cautin Answers



5 rows of 6 or 5 columns of 5

1530. POMP Math Print II. First Turn.



#### Goode Answers



## Lesson 7

#### Commutative Property in Multiplication





# Chapter 3

### .essc. s 1.2

#### Word Problems and Applications on Multiplication



### Cruide Answers

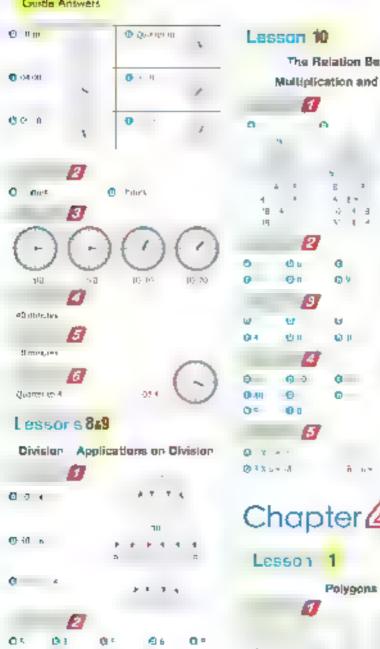
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#### Guida Answers

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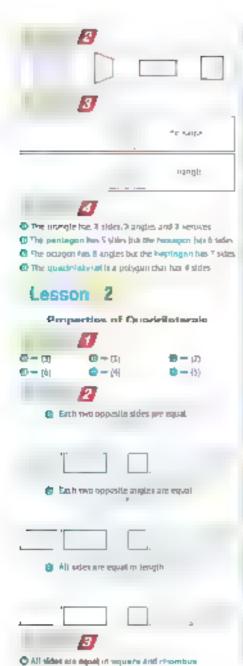


The Relation Between Multiplication and Division



# Chapter 4

#### Guide Answers



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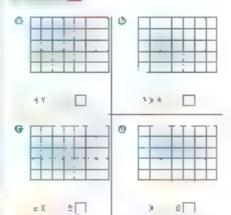
### Lesson 3

#### Area

### 1

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- Sample with Address time.

### 2

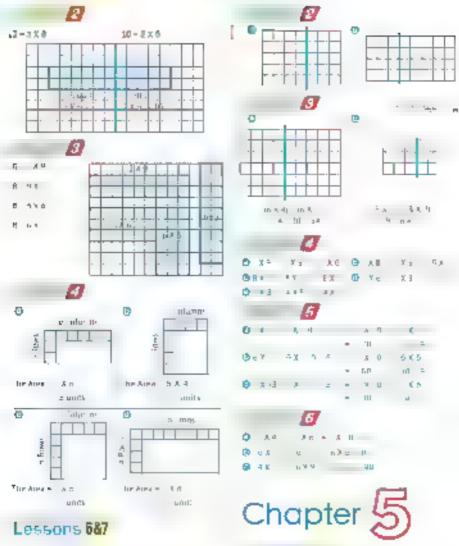


### LUSSO 15 466

## Rectangles with Equal Area - Area Joing Models



#### Guida Answers



Area by Splitting Arrays Distributive Property on Multiplication

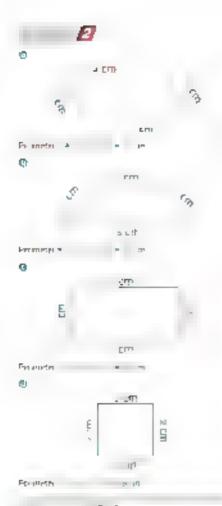


### Lesson 1

### Perimeter of Polygons



#### Guide Answers



## Lessons 2-4

Perimeter and Area - Area Using the Olimensions Area Using Different Strategies



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  - @ Area ovs byggmennes Permitter sign 5 (5 (5 to templify and sign)

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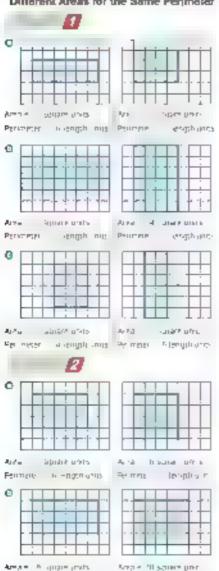
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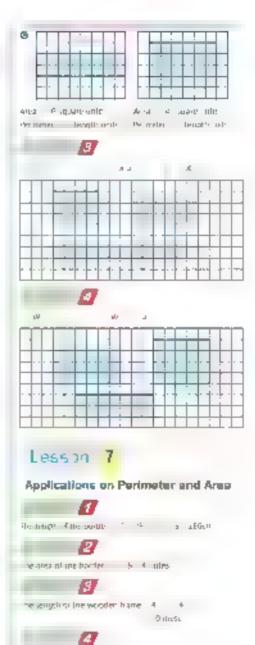
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#### Courde Answers

### Lessons 546

Different Perimeters for the Same Area
Different Areas for the Same Perimeter





The area will be a signal and the

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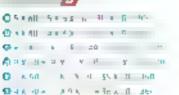
### Lesson 8

### Mutuplying by Multiples of 10.

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# Chapter ( 5



### Lesson

### Patterns of Multiplying by Multiples of 10

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Course date

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#### Leason 2

#### Strategies of Multiplying by 9













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### Lesson 3

67

### Facts on Multiplication and Addition

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#### Cautin Answers



#### Lesson 4

## Comparing and Ordering Numbers in Different Forms



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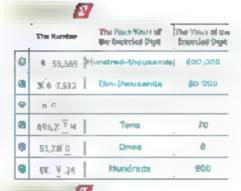
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- te seges, and the smallest number its meaith on the digos (7.2.0 6 and 5) at 75,320 and 20,567.





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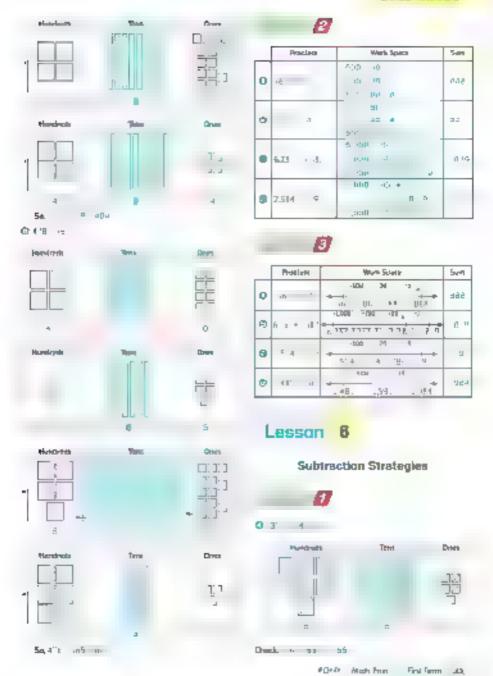
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### Lesson 5

#### Addition Strategies



#### Gorde Answers



#### Crustia Answers







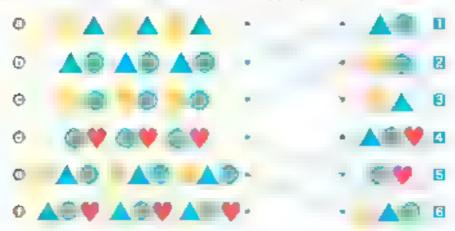
### Lesson 1

#### Potterns

1 Match each number pattern with the appropriate rule:



2 Match each visual pattern with the appropriate rule:



3 Complete the pattern:



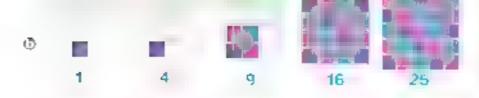
⊕ 60,50,40,30 20 , 10

4 Look at the images, then figure out the next two images in the pattern:



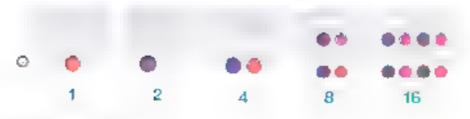
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#### 5 Find out the pattern, their complete in the same sequence:

					Rыв
O .2 13 14 .5	16	17	18	19	+1
O 45 44 43 42	41	40	39	38	1
G 22 24 26 28	30	32	34	36	+2
© 68 66 64 62	60	58	56	54	-2
0 .0 13 16 .9	22	25	28	31	+3
<b>©</b> 50 47 44 41	38	35	32	29	3
@ 5 .D .5 20	25	30	35	40	+5
<b>₲ 10</b> 0 95 90 85	80	75	70	65	5
<b>○</b> 0 10 20 30	40	50	60	70	+10
<b>⊙</b> 90 80 70 60	50	40	30	20	10

#### 6 Find out the pattern, then complete in the same sequence

0	_	2	4	7	11	16	22	29	37	46
0	1	7	4	8	16		32	64	128	256
G	1,	1,	2	3,	5.		8 ,	13	21 .	34

## Accumu ative



#### First Choose the correct answer

- Thirty five in digits =
- b 3 Hundreds + 5 Tens + 2 Ones =
  - 5D + 50 =
- 1 10 Tens = Hundreds
- e. The number after 29 is

- 50 @ 35 @ .3
- 352 @ 253 @ 532
  - 55 @ 53 @ 80 i
  - 100 @ 10 @ 11
  - 28 🏚 30 😂 29

### Second: Complete the following

- 3 5 Ones + 7 Tens = 75
- h The smallest 2 dig tinumber is - 10
- The value of the digit 5 h 58 is 50
- The greatest number formed from the digits 5 and 8 is 85
- el 20.25.30.35. 40
- 45
- 50

#### Third: Answer the following:

Find out the pattern, then complete in the same pattern.



#### Find the result

- 0 /15 + 125 = 338
- 0

0

- @ 750 120 630

12

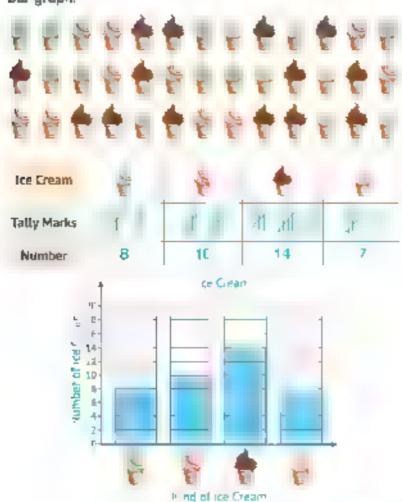
Eman has 125...E and Nada has 215...E

How much money do they have a together?

125 + 215 = 340

### Lesson 2 More of Bar Graphs

1 The following ice cream pieces show the store's sales, make a tally table to count the ice cream pieces, then complete the bar graph.



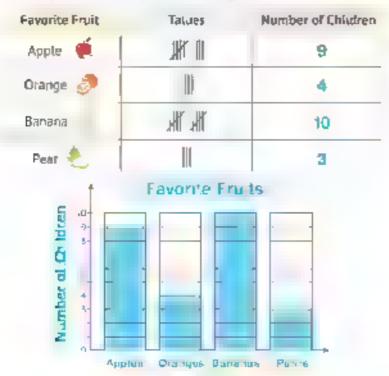


# 2 There are different tish in the aquarium. Complete the following tally table to count the fish, then complete the bar graph.





3 These are the favorite for its of a number of children. Use the following table to complete the bar graph.



### Fruits

- O How many children Ked 🤕 7
- G Which fruit is liked the most?

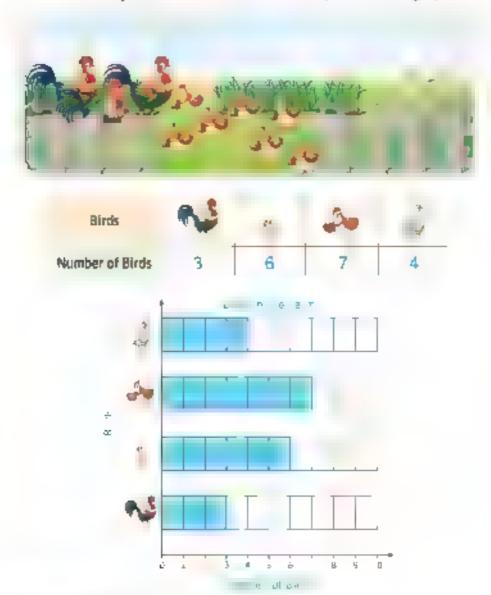
bananas

O Which fruit is liked the least?

pears



4 The following picture shows the number of birds in a farm.
Make a tally table to count them, then complete the ber graph



## Accumulative Assessment

#### Choose the correct answer

The greatest 2 digit number is

@ The value of the digit 5 in 75 s.

### Chaptel

90 @ 99 @ 10

( 53 @ 80 @ 35))

(705 @ 75 @(12))

((68) @ 86 @ 77)

8 5 @ 50 @ 500

#### Second: Complete the following

62

The number that comes just after 39 is.

C 35 +

44 = 79

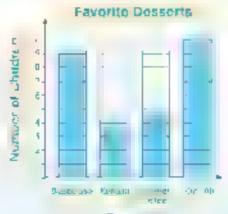
98 - 36 =

40

€ 10 20 30 40 .50 , 60 , 70

#### These are the favor to losserts of a number of children. Use the following table to complete the bar graph





Dessert



### Lasson 3 Line Plot

1 The following numbers are the results of a test taken by a class of 24 students

18	12	13	16	17	17	13	17
16	14	11	18	14	19	11	17
21	21	22	18	11	16	15	14

- The lowest mark
- The greatest mark: 22
- The number of times each mark is repeated

Marks										20		
Frequency	3	1	2	3	1	3	4	3	1	0	2	1

The line plot:

#### Test Results



\* - 1 student

#### Create a line plot using eggs in the basket data.

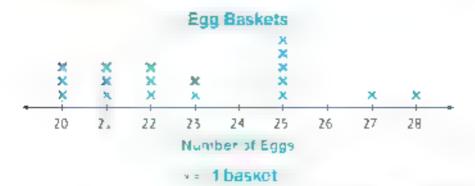
Make sure to give your line plot a title and a key



The number of times each number is repeated:

Number of Eggs									
Frequency	3	3	3	2	Ω	5	0	-1	1

The line plot:



#Gelle Math Inn Fini for

13



3 The following data shows the weights of 20 children in kilograms. Create a line plot using this data

55	50	54	54	51	55	52	53	57	58
5B	58	58	54	53	57	51	50	50	52

- © The lowest value: 50
- The greatest value. 58
- The number of times each number is repeated:

Weight	50	51	52	53	54	55	56	57	58
Frequency	3	2	2	2	3	2	0	2	4

The line plot.

Chadren's Weights



x= 1 child

(\*)

4 The following data shows the number of students in each of the school's 20 classes. Create a line plot using this data.

- © The lowest value 38
- (i) The greatest value: 46
- The number of times each number is repeated.

Number of Students	38	39	40	41	42	43	44	45	46
Frequency	2	а	3	2	0	3	2	1	1

The line plat

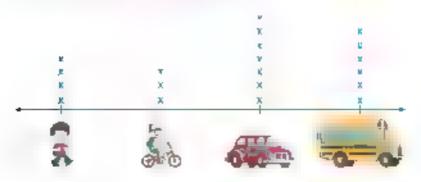
Number of Students in 20 classes



x= 1 class



5 The following line plot represents the means of transportation used by 20 students to reach school:



Means of Transportation

X = 1 student

#### Answer the following questions:

The How many students go to school by

6

How many students go to school by 42

7

⊕ Mow many students go to school by an element
 → element

3

O How many students go to school on finit?

4

What is the \*\* popular mean of dansportation for students?

Car

O How many in students go to school by in than by

$$7 - 6 = 1$$

#### 6 The following line plot shows the favorite fruit for 25 children:



X = 1 shild

#### Complete the following table

Favorite Fruit	Apple	Orange	Banana	<b>%</b> Kiyer	Pear
Number of Children	6	4	7	5	3

#### Answer the following questions

O How many children ked lance 1

How many more children aiked sup eithap near 7.

$$6 - 3 = 3$$

How many children altogether iked ... and-

$$5 + 6 + 4 = 15$$

O Which fruit is liked the most?

#### Bananas

Which fruit is liked the least?

#### Pears

### Accumu ative

Assessment,

3 4: 5 TYES 5

#### Firsts Choose the correct answer

Chaptel II

The smallest number formed from 5 11 and 5 is.

( 503 @(305) @ 350 )

b 7 + 20 + 800 ≈ (728 ⊕ 278 ⊕ 827)

One numbred and ren = 1.0 → 101 → .11

d 580 comes list after 58. © 579 @ 570

Handreds @ Dires @ fens

#### 5 The place value of 3 in 534 is Second: Complete the following:

a The argest 3 digit number is 939

b The value of the digit 0 in 209 is 0

• 105 100,93,90, 05, , 00 , 75

(d) 500 = 50 Tens

e. The number that comes just before 600 s. 599.

#### Third: Answer the following:

8 Find the result

© 585 + 315 - 900

@ 58 18 - 40

@ 800 86 - 714

h Arrange the following numbers in an ascending order

405 504 , 450 , 540 , 500

405 450 500 504 540

Shimaa had 750 LE she bought a Tishi 1 foi 165 LE

Find the remaining money with her.

The remainder 750 185 = 565 LE

### 9

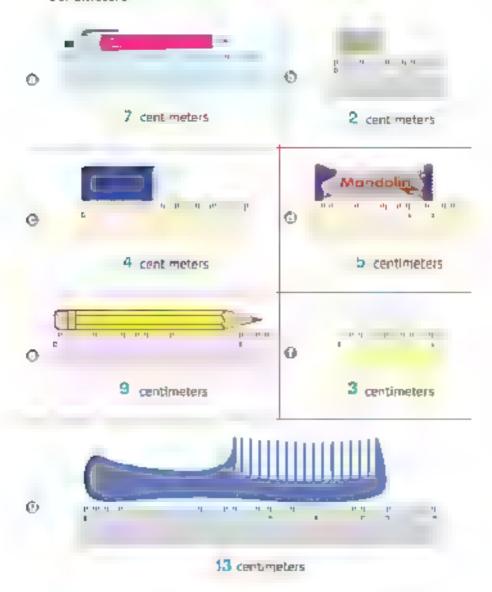
## Lessons 4. 6 Measuring Lengths in (Centimeter, Meter, and Millimeter)

See the pictures below. Determine what is the appropriate length unit for measuring these things, then write it under the picture Mitometer (mm), centimeter (cm) or meter (mm).

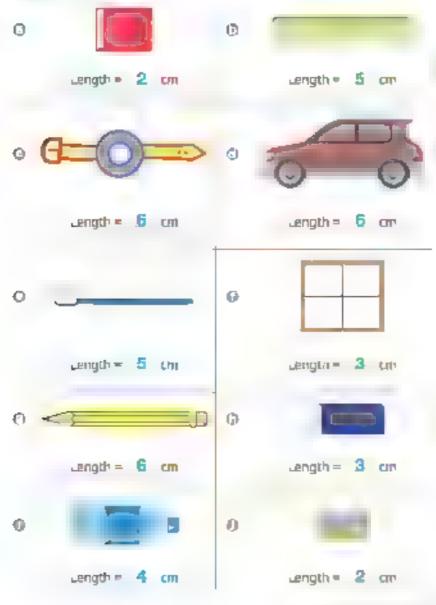




2 Use the ruler to measure the length of each object in centimeters:



3 Use the ruler to measure the length of each of the following in centimeters.





#### 4 Choose the appropriate length for each of the following:



#### 5 Complete:

90

ПП

#### 6 Complete:

@ 900 mm =

120 mm =

#### 7 Complete:

0 6 cm + 3 mm=	60	ш\m ÷	3	ш <u>ш</u> =	63	mm
② 20° m + 4 mm=	500	माम +	4	mlm =	204	щIII
@ 15 cm + 2 mm=	152	mm 🐧	16 cm -	7 mm =	167	IN IN
O-90 cm + 6 mm=	906	mm 0	10 cm -	+ 8 mm =	10B	mm

12



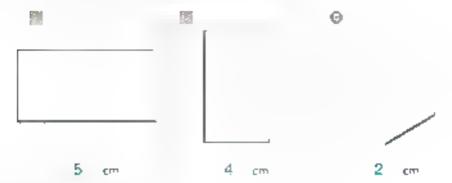
#### 8 Complete:

- @ 245 cm = 2 m+ 45 cm
  - ⊕ 372 cm = 3 m+ 72 cm
  - @ 750 cm n 7 m + 50 cm
  - @ 140 cm = m + 40 cm
- 803 cm = | m + 3 cm
- @ 402 cm 4 m+ 2 cm

#### 9 Complete:

- 0 24 mm = 2 cm + 4 mm
  - ⊕ 72 mm = 7 cm + 2 mm
  - 9 102 mm 10 cm 2 mm
- ⊙ 607 mm+ 60 cm r 7 mm
- O 617 mm = 61 cm + 7 mm
- 0 425 mm = 42 cm + 5 mm

#### 10 Measure the side engths using the ruler



### Accumulat ve Assessment

#### First: Choose the correct answer

Chaptel 1

9 10 cm + 5 mm = mm

u\_5 m = cm

· 5+0+6=

d. The number that comes just after 309 is

e. The largest 3-different digit number is

105-@ 15 @ 1 005 15 @ 150 @ 1 500)

56 Ф 50ь Ф.1.

310 @ 30. @ 319

999 🗇 987 🦈 102

#### Second: Complete the following

a 205 cm = 2 m + 5 cm

b 204 = 2 Hundreds + 0 Fens + 4 Ones

The value of the dig t 0 in 101 s 0

d Two hundred two in digits, 202









#### Third: Answer the following:

- Find the result
  - 0.859 + 4. = 900
- @ 700 25 = **675**
- b Complete using (<. = or >)

① 50 m + 25 cm → 525 cm ② 606 → 499

② 8 cm + 5 mm < 805 cm ○ 182 < 42

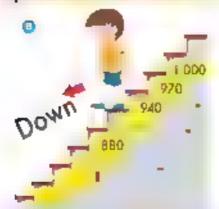
Arrange the following lengths in an ascending order

5 cm , 50 m , 500 mm , 550 cm

56m 500mm 550cm 50m



### Complete the pattern





### Match each measurement to its suitable length







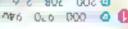
50cm

2























### 1-4 Thousands Ten Thousands, and Hundred Thousands - Numbers in Different Forms

#### 1 Write the number shown on the figure



Standard Form 9 999

Word Form Nine thousand

nine hondred of nety mine

Ø			
Thousands	Hundreds	Tens	Dines
	-		
1	-		
100			
1 1	-		
4	2	0	7
	-	v	-

Standard Form 1,307

Word Form - Drie Thousand. three hundred seven



standard Form 7.054

Nord Form Seven thousand fifty your



Junea d Form 5 816

Wird Firm - Five thousand.

eight hund led sixteen.

#Gody Math him Fest for



O	0
Thousands Hundreds Tens Ones	Thousands Hundrads Tens Ones Hundrads Tens Ones
6  7 5 2 Standard Form 6 752	4 5 2 4 Standard Fill (1) 4 924
Word Form: Six thousand. seven hundred fifty-two	Word Form For shousens him toted (wenty four
0	0
Hundrede Tens Ones  4 0 7 1 8  S ange of Form 40,718	Hundreds Tens Ones  2 8 1 0 4  Standard Form 29 104
Were Form Forty hundred ceven hundred eighteen	Wedfe Twenty nine theusand
0	0
Thousands Hundreds Tens Ones  3 D C G B	Hundreds Tens Ones 9 2 0 5 7 2
5 and a d Form 30 008	Standard Firm 920 512
	Standard Finds 920 512 World Forne Nittle humanes wer by
Word Form Thirty thousand eigh	Standard Finds 920 512 World Forne Nittle humanes wer by
Word Form Thirty thousand cight	Standard Finds 920 512 World Form: Nittle humbred wer by housand for hundred wake
Throusands Hundreds Tens Ones  2 7 5 1 1 2	Strandard Finance 920 512  World Form: Neite humanes wer by housand for hundred walke humanes fens Ones Hundreds Tens Ones 6 5 0 4 7 3
Word Form Thirty thousand cight  Thousands Hundreds Tens Ones	Strandard Form 920 512  World Form Nime humared wer by housand for hundred welve to thousands the hundred form Open Hundreds Tens Ones

#### 2 Complete the following:





#### 3 Match:

- ⊕ Fifty thou sand, fifty five

  = 50 505 
  □
- ⑤ Fifty thousand, five hundred five 55,005 ☑

- ♦ Fifty-five thousand, fifty
   ♦ 50.550

#### 4 Match

- Two hundred thousand ewenty
   200,002
- Two hundred two thousand 200.020 4

#### 5 Complete the following table:

	Standard Form	Word Form			
0	45125	Forty-five thousand, one hundred twenty-five			
0	12,607	Twelve thousand, six hundred seven			
0	405 168	Four halldred five thousand, one hundred sixtyle ght			
ø	1,8 927	Three hundred eighteen thousand, nine hundred twenty seven			
0	26.578	Twenty-six thousand.  Ne hundred seventy-eight			
0	13 015	hirteen thousand and fifteen			
0	659 242	Six hundled fifty mine thousand, swo hundred forty-two			
0	987 651	Nine hundred eighty-seven thousand. six hundred fifty-dine.			



#### 1 Write the place value and value of the engineed digit.

	Number	Place Value	Value		
0	1 23 567	Hundred Thousands	100 000		
Ó	4 7 2 2 35	Ten Thousands	70 000		
Θ	10 2 380	Thousands	2 000		
0	540 O R9	Hundreds	0		
0	902003	Tens	0		
Ø	589 36 B	Ones	8		
0	7 8 9 112	ten Thousands	80 000		
0	987 6 33	Hundreds	600		
0	752 36 B	Ones	8		
Ø	9 12 456	Hundred Thousands	900 000		
0	25 0 147	Thousands	0		
0	39811z	Tens	10		

#### 2 Complete the following.

② 20 Thousands	*	20 000	© 500,000	Ξ	500	Thousands
⊕ 580 Hundreds	=	58 000	<b>400,000</b>	=	4,000	Hundreds
28 300 Tens	-	283 000	60.000	-	6,000	Tens
© 25,002 Ones	-	25 002	<b>3</b> 40.000	v	40 000	Ones
0 ±05 Hundreds	-	10,500	<b>()</b> 60,000	=	600	Hundreds

#### 3 Complete the following:

- ⊕ 5 Thousands 5 000 Ones ⊕ 50 Thousands 500 Hundreds.
- O SO Thousands 5,000 Tens Q 50 Thousands 50 000 Ones
- Soo Thousands 5,000 Hundreds © 500 Thousands 50,000 Tens
- Thousands 7 Thousands 70 Hundreds = 700 Tens
- (3) 500 Hundreds = 50 Thousands (0) 600 Hundreds = 6,000 Tens
- 9 Hundreds = 90 Tens Q 50,000 Tens = 500 Thousands
- O 90,000 Tens = 9 000 Hundreds @ .00 Tens = 1 Thousands

#### 4 Write the following numbers in expanded or re-

- O 75,825 70 000 5 000 800 20 5
- (3 561 256 = 500 000+ 60.000 + 1 000 + 200 + 30 + 6
- @ 23.458 = 20 000 + 3 000 400 + 50 + 8
- @ 601.803 = 600,000 + 2 000 + 800 + 3
- O 80,028 80,000 + 20 + 8
- 0900.402 = 900000 + 400 + 2
- 0.602,000 = 600.000 + 2.000
- @ 202 050 = 200 000 + 2 000 + 50

#### 5 Complete:

- O 45 215 = 45 Thousands + 2 Hundreds + 1 Ten + 5 Ones
- ① 277.654 272 Thousands 6 Hundreds + 5 Tens + 4 Ones
- @ 61 025 = 0 Hundreds + 5 Ones + 2 Tens + 61 Thousands



- @ 920587 = 7 Ones + 5 Hundreds + 8 Tens + 920 Thousands
- O 500,002 = 500 Thousands + 0 Hundreds + 0 Tens + 2 Ones
- @ 62,000 62 Thousands + 0 Hundreds + 0 Tens + 0 Ones
- ① 780,003 = 780 Thousands + 0 Hundreds + 0 Tens + 3 Ones

#### 6 Complete the following

- @ 7.000 + 900 + 50 + 7 7,957
- 2 50 + 800 + 9,000 + 5 = 9,855
- @7.000 + 2 + 40 = I,042
- @ 400 + 90,000 + 6,000 + 70 + 1 = 96 471
- O 50 + 4,000 + 200,000 + 90,000 + 7 + 200 = 294,257
- 0.40.000 + 900 = 40.900
- @ 600,000 + 10 + 7 = 600,017
- @ 900,000 + 70,000 = 970,000
- @ 600 + 800,000 = 800 600

#### 7 Complete:

- 45 896 = 45 Thousands + 8 Hundreds + 9 Tens + 6 Ques
- 6 657 = 8 Thousands + 6 Hundreds + 5 Tens + 7 Does
- 935 742 = 935 Thousands + 7 Hundreds + 4 Tens + 2 Orles.
- 4 25 063 = 25 Thousands + 6 Tens + 3 Ones
- O 56 087 = 8 Tens + 7 Dines + 56 Thousands
- Q 500 070 500 Thousands + 7 Tens
- O 410 203 2 Hundreds 410 Thousands + 3 Ones

#### Complete using (s = or >):

- O 545 123 < 600,20. © 788,250 <
  - 788.52D
- $G_{44}.002 < 441.0.0$
- 6 99.999 < 100,010
- O 90,909 < 99,090
- 6 5,628 5,268
- © 25 268 > 17.68
- G 6.159 46 159
- **①** 39,030 < 39,700
- Ø 4307 < 60,020
- C .2.000 10,200
- O 17,020 < 77,202
- 5 + 20 + 300 + 7,000 + 60,000 
   ○ 5 ≥ 376
- 255 Thousands \* 2 Hundreds \* 7 Ones = 255.207
- 5 Tens + 7 Thousands + 4 Hundreds > 7405
- Twenty thousand and twenty > 2,020
- Thirteen thousand, one hundred and three > 13,013
- The largest 5-dig t number 99 099
- The smallest 6-different digit number < 123,456
- © 500,000 + 50,000 + 500 + 5 < 555,005
- © 3,600 + 36 < 360,036



2 Arrange each group of the following numbers in an ascending order and in a descending order.

0 45 368 21 789 98 102 78 023 62 039 Ascending Order 21,789 45 368 62,034 78,023 98.102 Descending Order 98 102 78.023 62 034 45 368 21,789 **0** 32,023 98,123 25,023 54,987 20,368 Ascending Order 20 368 32 023 54 987 75 023 98 123 Descending Order 98 123 76 023 54 287 32 023 20.368 500.368 500.638 500.863 500.386 500.683 Ascending Order. 500 368 500 386 500 638 500 683 500 863 2 Descending Order 500 863 500 683 500,638 500 386 500,368 700,064 700,406 700,604 700,046 700,460 Ascending Order 700 046 700 064 700 406 700,460 700,604 2 Descending Order. 700,604 700,460 700,406 700,064 700,046

**(a)** 5.023 9.120 5.320 9.012 7.007 Ascending Order 5.023 5 320 7.002 9.0129 120 2 Descending Order 9.120 9 012 7,002 5.320 5 020 166,451 166.54 .66.54. .60 415 .66 145 Ascending Order 166,145 166,154 166,451 166 541 Descending Order 166 541 166 451 166 415 166,154 166,145

#### 3 Complete the following:

- O The greatest 4 apple rember is 9,999
- The greatest 5-digit number is 99 999
- @ The greatest 6-digit number is 909,999
- The smallest 4 digit number is 1,000
- The smallest 5 digit number is 10,000
- () The smallest 6-digit number is 100 000
- O The greatest 4 id fferent digit number is 9 876
- () The greatest 5 different digit number is 98 765
- The greatest 6: different digit number is 987 654
- 1 The smallest 4 different dig t number is 1 023
- The smallest 5 different dig t number is 10 234
- The smallest 6: different digit number is 102 345
- The smallest 4- same-digit number is 1,111
- The smallest 6: same-digit number is 111,111



4 Write the greatest and the smill est numbers that can be formed from each of the following sets of digits:

Olgits	Greatest Number	Smallest Number
043975	97 543	34 579
067324	76.432	23 467
O 5 6 1 3 8 9	986 531	135 689
0984523	985 432	234 589
060792	97 620	20 679
087063	97,630	30,678
0620785	876,520	205 678
G706281	876 210	102 67B

5 Write the greatest and the smallest 5-digit numbers that can be formed from each of the following sets of digits.

Olgits	Greatest Number	Smallest Number
① 4 and 5	55,564	44 445
© 7-3.4	77 743	33,347
O . 3 79	99 731	11 379

6 Write the greatest and the smalles 6-digit numbers that can be formed from each of the following sets of digits.

Digita	Greatest Number	Smallest Number
O 9 and 3	999 993	333 339
O 5 4 7	77" 754	444 457
O 2 9 8.1	999 821	111 289
084273	887 432	223 478

### 7 Complete the following table:

	The Number Before	The Number	The Number After
0	325 364	125 365	325,366
0	145,119	145 120	145,121
•	49 999	50,000	50 001
Ø	636 699	636,700	636 701
0	699 998	699 999	700,000
0	85 099	85 100	85,101
0	9 999	10.000	10.001
Φ	9 998	9 999	10,000
0	998	999	1,000

### 8 Complete.

- O The number chaucomes lust 366,258 is 366,259
- (i) The number that comes us: - 155,000 5154 999
- G 16,000 comes just at at 15 999
- © 5.736 comes just whom 5 237
- The number 7,124 comes just 7123
- The number 133 021 comes just here = .33,022

# Accumulative,

## up to Lesson 4

### Choose the correct answer

a 5 Ones + 3 Hundreds + 74 Thousands + 8 Tens =

. 53,748 @ 74,385 @ 74,358 i

b Seventy-five thousand and seventy five =

, 7,5 75 @ 75,750 @ 75,07\$A

50.003 @ 503 @ 53

100 000 @ 1,000 @ 10

500+0+0+3=

±.000 Hundress =

Eighty five thousand and eight = 85,080 @ 8,508 @ 85,008,

### Complete the following:

a The place value of 7 n 662,078 s TCNS

b. The number 501 000 names just after 500 999.

25 062 c 25.012 25.022 25.032 25.042 25 052

a The largest 5 same digit number is 99,999

€ 2,000 more than 21,900 s 23,900

### Answer the following.

Arrange the following numbers in an ascending order.

45,603 45,036 45,306 45,630 45,063

- Ascending order 45 036 45 063 45 306 45 603 45 630
- Descending order 45,630 45 603 45,306 45,063 45,036

### b Complete using (<, = or >).

0.023 < 62.009 0.78.569 < 79.003

🖹 🗤 Housands + B Hundreds 🔞 🖂 🖂 🖂

O 60 + 600 < 5 xtv thousand and s xtv

40 PON! Math Arm a froit Term

## 5 Arrays

### 1 Look at each array, then complete.

The number of rows is 3

The number of balls in each row is 5

Total number of balls is

The number of columns is 5

The number of balls in each column is 3

Total number of balls 
$$s + 3 + 3 + 3 + 3 = 15$$
 balls

3 columns of 5 or 5 columns of 3



The number of dogs in each row is 5

Total number of dogs is

$$5 + 5 = 10 \text{ dogs}$$

The number of columns is 5

The number of dogs in each column is 2

Total number of dogs is 2 + 2 + 2 + 2 + 2 - 10 dogs.

2 columns of 5 or 5 columns of 2





@ The number of lows s 4

The number of cars in each row is 2





- The number of columns is 2

The number of cars in each column is 2

Total number of rais s 4 + 4 = 8 cars

4 columns of 2 or 2 columns of 4

The number of rows is 4

The number of apples in each row is 6

Total number of apples is



The number of columns is 5

The number of apples in each column is 4

Total number of apples is 4+4+4+4+4+4=24 apples

4 columns of 6 or 6 columns of 4

The number of rows is 2

The number of oranges in each row is 5

Total number of oranges is



The number of columns is 5

The number of oranges in early column is 2

Total number of branges is 2 + 2 + 2 + 2 + 2 = 10 branges

2 columns of 5 or 5 columns of 2

### 2 Greate an array:

Θ



Ø.



KO.

3 rows of 5 3 columns of 5

œ



4 rows of 3

0



4 columns of 3

Θ



4 rows of 5

0



4 calumns of 5

0



0



3 rows of 2

3 calumns of 2



G

### 3 Find the total number of elements in each array:



The total number is 6 + 6 + 6. The total number 5, 7 + 7 + 7- 18



- 21





The total number is 4 + 4 + 4 + 4 \* The total number is 3 + 3 + 3 + 3 + 3 + 3 = 15



The lotal number is 9 + 9 = 18



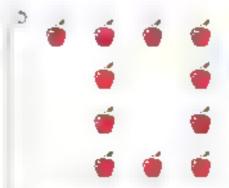
The total number is  $7 \pm 7$ 



The total number 5. 4 4 44 = 24

4 complete the missing array, than find the total number of elements in the array.

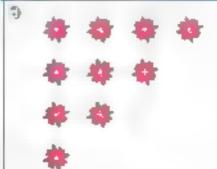




The total number s. 3 - 3 + 3 + 3 The total number is 4 + 4 + 4 + 4- 15

= 16





= 20

= 16

## Accumulative As a vien

## up to Lesson 5

### Choose the correct answer

100

- 4 Ninety thousand, ninety nine (in standard form =
- b. The greatest 5 digit number is
- c 700 + 0 + 0 + 7 =
- 500 Hundreds =
- Thousands
- c 75,005 >

- 900 990 🗢 90 990 🚭 90 099 5
- 900,000 @ 98 765 @ 99 999 s
  - 700 007 @ 70,007 @ 707 5
    - #50 @ 500 @ 5,000
- 740,004 @ 75,040 @ 75,000

### Complete the following:

- a The place value of 6 in 56 203 is Thousands
- b 9 Ones + 6 Hundreds + 5 Tens + 23 Thousands = 23 659
- c 100 700 300 400 500 600 in the same pattern)
- The greatest number formed from the digits 5 7 0 2 and 8 is 87 520 (Without repeating)
- e. The number that comes just after 25,999 is 26,000.

### Answer the following.

- Look at the following array, then complete
  - The number of rows is 4
  - The number of apples in each row is 3
  - Total number of apples =
    - 3 + 3 + 3 + 3 = 12 apples
  - 4. rows of 3 apples



### b. Arrange the following numbers in an ascending order

75,020 75,202 75,002 75,220 75,200

75 002 75.020 75.200 75 202 75 220

## 6 Multiplication

Complete: Repeated add tion 6 + 6 + 6= 18 Multiplication,  $3 \times 6$ = 18 Repeated addition 5 + 5 + 5 + 5- 20 Multiplication: 4 x 5 = 20 Repeated addition. 4+4+4+4+4+4=24 Multipucation: 6 × 4. • 24 Repeated addition. 2+2+2+2 = B Multiplication: 4 x 2 = B Repeated addition 7+7+7 - 21 Multiplication:  $3 \times 7$ - 21 Repeated addition 4 + 4Multipucation: 2 × 4 8 0  $9 \times 3$ Multiplication Repeated addition. 9 + 9 + 9 + 9 + 9 + 9 + 9Multipucation: 7 x 9

·o



### 2 Complete

$$4+4+4+4+4=20$$
 So.  $5 \times 4 = 20$  and  $4 \times 5 = 20$ 

$$0 + 6 = 12$$
 Sq.  $2 \times 6 = 12$  and  $0 \times 2 = 2$ 

50, 
$$6 \times 2 = 12$$
 and  $2 \times 6 = 12$ 

$$09 + 9 + 9 + 9 = 36$$
 So,  $4 \times 9 = 36$  and  $9 \times 4 = 36$ 

$$91+1+1+1+1=5$$
 50, 5 x 1 = 5 and 1 x 5 = 5

$$0.6 + 8 + 8 = 24$$
 So,  $3 \times 8 = 24$  and  $8 \times 3 = 24$ 

So, 
$$5 \times 6 = 30$$
 and  $6 \times 5 = 30$ 

$$@8x3 = 8 + 8 + 8$$

$$0.4 \times 7 = 7 + 7 + 7 + 7$$

### 3 Complete each of the following:

#Ords Math him First for



4 Draw an array that matches the multiplication, then use repeated. a witton to find the product of the multiplication.

 $5 \times 3$ 



 $3 \times 4$ 



ALL 15



0

$$2 \times 3$$

Auu

12



 $4 \times 5$ 



Add: 3 + 3

5+5+5+5 Add

Θ

3 × 2



ø

3 × 5



Add: 2 + 2 + 2

5+5+5 Add

## Accumulative

## up to Lesson 6

### Choose the correct answer

The value of the digit 4 in 524,368 is 1:4,080 @ 40,000 @ 400

b6+6+6+6= 500+0+0+5=

9 3 4 4 =

500,005 & 50,005 \$ 505 3+3+3 @ 4+4+4 @ 3+4

The number that comes just before 30,.000 is

300,000 @ 301.00. @ 300,999

6 x 6 4 6 4 4

### Execute: Complete the following:

25 Tens + 120 Hundreds = 150 + 12.000 = 12.150

b 7x3= 7 + 7 +

C 4+4+4+4+4+4+4= 7 × 4 = 28

The smallest 5 different digit number is 10 234

= 2 4 6 B 10 12 , 14 , 16 , 18

### Answer the following

Arrange the following numbers in a descending order.

45 125 45,021 48,521 45,012 45,512

45 521 45 512 45,125 45 021 45 012

### Complete using (<, = or >).

45.015 < 45,04 @ 40,000 + 500 + 3 < 45,300

### Complete using the following figure:



• Repeated addition 5 + 5 + 5 15

Mult plication 3 X 5 ≈ 15



## Commutative Property in Multiplication

### 1 Complete using the Commutative Property of Maniple dations

Œ.

3 rows of 4 4 rows of 3

 $3 \times 4 = 12$ 

4 . 3 = 12

50. 3 × 4 × 4 × 3

10

5 ows of 3

5 x 3 = 15

3 ows of 5 3 4 5 = 15

50 5 × 3 × 3 × 5

0



3 ranvs of 2 2 rows of 3 2 x 3 . 6 3 , 2 . 6

So, 3 x 2 - 2 x 3

0

5 rows of 4 4 rows of 5

5 x 4 .20

0

 $4 \times 5 - 20$ 

So. 5 × 4 - 4 × 5

0



6 ows of 3

3 Jassof 6

6 . 3 . 18 3 \* 2 = 6

so. 6 2 3 - 3 x 2

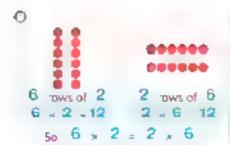
6 rows of 1

1 ows or 6 6 - 1 - 6

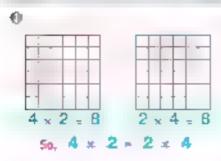
1 . 6 . 6

50, 6 × 1 - 1 × 6

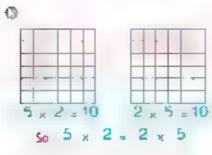
### Commutative Property in Multiplication

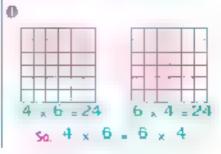




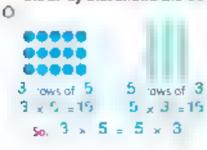


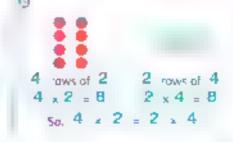






2 Write the multiplication sentence of each array then draw the array that shows the Commutative Property







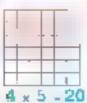
0

G



2 raws of 3 3 raws of 2

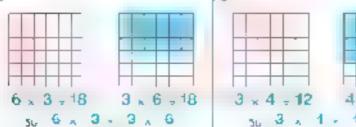
$$2 \times 3 = 6$$
  $3 \times 2 = 6$   
So,  $2 \times 3 = 3 \times 2$ 



 $5 \times 4 - 20$ 

St. 4 x 5 = 5 x 4

0



0



34 3 4 1 - 1

### 3 Complete the following:

And if 6 + 6 + 6 + 6 = 24 then  $4 \times 6 = 24$ 

And if 
$$5+5+5=15$$
 then  $3\times 5=15$ 

## Acct mulative

### A eliter

## 8 up to Lesson 7



### Choose the correct answer

15.172

a Nineteen thousand nine hundred and nine =

- 6000 + 60 =

c 7+7+7+7+7=

d 8 x z =

The value of 8 308,964 is

19 909 🜣 90.909 💿 19 990 )

040,000 @ 600.6 @ 040.6

7×707×507+5

2+204+4+4-408 . 8

000,8 @ 000,08 @ 000,008

### Because: Complete the following:











h 6x 5 -3+5+5+5+5+5

T7x6= 6 x7

of The number 57 000 comes lust after 56 999

200 Thousands + 2 Hundreds + 108 Tens = 200 900+ 200 +1,080 = 701 280

### Answer the following

a Arrange the following numbers in an ascending order

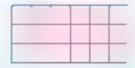
70,050 75,005 75,500 75,505 75,055

. 70 050 75,005 75,055 75 500 75,505

E The number of columns is 6

The number of squares in each column is 3

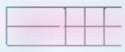
Total number of squares 5 6 x 3 - 18



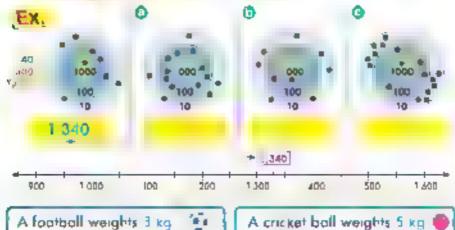
The number of rows is 2

The number of squares in each row is 6

Tota number of squares s 2 x 6 - 12

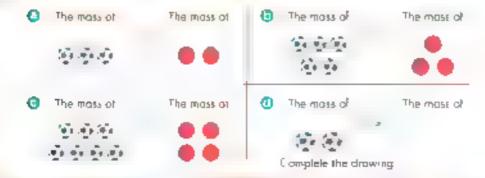


Write the number and match it to the suitable place on the number the as shown in the example



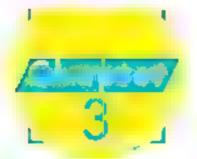
A football weights 3 kg

Measure how heavy the balls are, then complete using (<, >, =)









## Lessons 1&2

- 1 Use the strategy you prefer to solve the following story problems.
- There are 9 apples or each basket How many apples are there or 6 baskets?

Work Area



6 X 9 = 54 apples

© Eman has 2 boxes of oranges.
Each box contains 5 granges.
How many oranges does Eman have?



G There are 7 erasers in each box

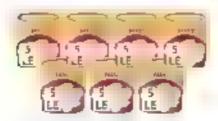
How many erasers are there in 9 boxes?





② Each peanut container costs 5LE How much do 7 peanut containers cost?

Work Area



 $7 \times 5 = 35 LE$ 

O Ahmed went to the store 8 times ast month. He buys 6 eggs each time he goes to the store How many eggs did Ahmed buy ast month?



8 X 6 ≈ 48 eggs

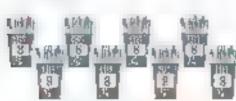
Each child has 7 bananas.
f there are 7 children,
how many bananas are there in total?



7 X 7 = 49 bananas

O Each chird has 8 crayons.
If there are 8 children,
how many crayons are there in total?





8 X 8 = 64 crayons

G Each box of cookies costs 6LE.
How much do 5 boxes cost?



5 X 6 - 30

© Each chair has 4 jegs How many legs do 7 chairs have?



7 X 4 = 28 legs





Each book costs 9.E

How much do 6 books cost?

Work Area



6 X 9 = 54 LE

- 2 Write a multiplication story for each multiplication sentence, then solve it.
- 0 5×6

Nada bought 5 books for LE 6 each What is the price of a libooks? 5 X 6 30 LE

0 4×3

A i bought 4 pens for LE 3 each What is the price of all pens? 4 X 3 12 LE

G 5×4

Sara bought 5
bags for LE 4 each
What is the price
of all bags?
5 X 4 = 20 LE

@ 3×6

Samir bought 3
balls for LE 6 each
What is the price
of all balls?
3 X 6 = 18 LE

## Accumulative.

A le ner

## up to Lesson 2

### First: Choose the correct answer

The smallest 5 digit number is

The number 63,000 comes just after.

17.20.2.70.4.2

6.0,000 @ .2 345 @ 10,234

45 100 @ . 55 100 @ 65,000

63.001 @ 62.999 @ 63.999

### Second: Complete the following

The place value of 6 in 98.635 is Hundreds

### Third: Answer the following:

Arrange the following numbers in an ascending order.

- h How many eggs are there
  r the opposite cartor?
  - 6 X 5 = 30 eggs



#Crift Wath him Fant feim i



## Lessons 3&4

### Multiples of 2 and 3

### 1 Complete 0

٥ 2 x 0 =

0

1 =

2 ×

2

0

$$3 \times D = 0$$
  
 $3 \times 1 = 3$   
 $3 \times 2 = 6$ 

0

### 2 Complete 0

1 2 % 2

0

$$2 \times 1 = 2$$
  
 $2 \times 5 = 10$ 

$$2 \times 5 = 1$$
$$2 \times 9 = 1$$

$$2 \times 9 = 18$$
  
 $2 \times 2 = 4$ 

$$2 \times 10 = 20$$
  
 $2 \times 3 = 6$ 

0

$$3 \times 1 = 3$$

$$3 \times 7 = 21$$

$$3 \times 2 = 6$$
 $5 \times 10 = 50$ 

$$3 \times 10 = 30$$
  
 $3 \times 3 = 9$ 

$$3 \times 3 = 9$$
  
 $3 \times 9 = 27$ 

$$3 \times 5 = 15$$
 $3 \times 0 = 0$ 

Ø

$$3 \times 4 = 12$$
  
 $3 \times 7 = 21$ 

### 3 Complete:

-	2	1		2	4	2	-	2		2
	5		к	4	ж	5	20	2	ж	1
	10	-(		8		-6		4		2
	3		,	3	-	3		3	*	3
:1	10			9		ß	E	7		6
	30			27		24		21		18
4	2			2		Z		2		2
>.	D		<	6	×	7	٨	8	8	9
	D			12		14		16		18

## 4 Match:

### 5 Complete:

$$0.5 \cdot 5 - 2 \times 5 - 10$$
  $0.4 \cdot 4 \cdot 4 - 3 \times 4 - 12$   $0.6 \cdot 6 = 2 \times 6 = 12$   $0.7 \cdot 7 \cdot 7 = 3 \times 7 = 21$   $0.8 \cdot 8 = 2 \times 8 = 16$   $0.9 \cdot 9 \cdot 9 = 3 \times 9 = 27$   $0.3 \cdot 3 = 2 \times 3 = 6$   $0.2 \cdot 7 \cdot 7 \cdot 2 = 3 \times 2 = 6$ 



### 6 Use the 120 Chart to find:

C List the first 20 multiples of 2

2 , 4 , 6 , 8 , 10 12 , 14 16 18 , 20

22 24 26 28 30 32 34 36 38 40

(2) List the first 20 multiples of 3.

3 6 9 12 15 18 21 24 27 30

33 36 39 42 45 48 51 54 57 60

(9) stithe common multiples of 2 and 3 up to 50.

6. 12, 18 24, 30 36, 42, 48

### 7 Choose the correct answer

@6+6=

@ 5+5+5+5=

@8+8+8=

@4×4=

04+6=

@4x2=

@9+9=

### Multiples of 4 and 5

### 1 Complete

	Ó	
4 -	a	0
4 v	1 -	4
4.	2 =	8
4 x	3 =	12
4 ×	4 =	16
4 5	5 =	20
4 x	6 =	24
4 ×	7 =	28
4 x	<u> </u>	32
4 x	9-	36
4 5	10 =	40

			0	
5		1		6
5	ж	3	*	15
5	ж	5	=	25
5	ж	7	-	35
5	ж	9	=	45
5	ĸ	10	=	50
5	×	8	=	40
5	Е	6	=	30
5	×	4	=	20
5	ji.	2	п	10
5	15	0	=	Q

### 2 Complete

	G	
5 v	1	- 5
5 ×	3	= 15
5 ×	5	= 25
5 a	7	= 35
5 ×	9	= 45
5 x	0	· 0
5 >	2	= 10
5 ×	4	= 20
5 ж	6	- 30
5 >	8	40
Şγ	10	• 50

	(i)		
5 =	0	-	C
5 .	-1	=	5
5 x	2	= 3	LC
5 ×	- 3	= .	.5
5 ×	4	= ,	Ċ
5 5	-5	- 7	25
5 E	6	= 3	5.0
5 ×	7	= 3	55
5 4	8	- /	4Ç
5 E	9		15
5 x	10	-	10



### 3 Complete

### 4 Match.

### 5 Complete

$$(35+5+5+5+5+5+5+5=8 \times 5=40)$$

$$04+4+4+4=2 \times 8 = 16$$

$$0.5 \times 4 = 2 \times 10 = 20$$

$$0.5 \times 4 = 2 \times 10 = 20$$
  $0.4 \times 6 = 3 \times 8 = 24$ 

### 6 Use the 120 Chart to find:

O List the first 20 multiples of 4:

4	- 8	12	16	20	24	28	32	-36	40
44	48	52	56	60	64	68	72	76	80

C List the first 20 multiples of 5:

O a st the common multiples of 4 and 5 up to 50.

(i) a 51 the common multiples of 2-3 and 4, up to 40



### 7 Choose the correct answer

### Multiples of 6 and 7

### 1 Complete

	Ó	
ь	D	0
6 ¥	1 =	6
δ.	2 =	12
6 x	3 =	1B
6 ×	4 =	24
6 4	5 =	30
6 x	6=	36
6 ×	7 =	42
6 x	<u>B</u> =	48
6.	2 -	54
6 4	10 =	60

### 2 Complete



	•			Θ	
7×	2	= 14	1×	6	- 6
7 x	4	= 28	3 #	6	=18
7 ×	6	=42	5 x	6	= 30
7 ×	8	<b>≈</b> 56	7 x	6	= 42
7 ×	10	= 70	9 %	6	= 54
7 x:	-1	F 71	10 x	7	- 70
7 ×	3	= 21	8 ×	7	= 56
7 x	5	= 35	6 x	7	= 42
7 x	Z	■ 49	4×	7	• 28
7 ×	9	= 63	2 %	7	14
7 ×	0	- 01	0 ×	1	- O

	0	
0 ×	1	÷ 0
1 ×	7	= 7
2×	6	= 12
3 ×	7	= 21
4 x	6	= 24
S ac	7	e 35
6 ×	6	= 36
7 ar	7	= 49
8 ×	6	- 48
9 =	7	63
.0 ×	6	~ 60



### 3 Complete

• 6	• 6	• 6	• 6	• 6
7	× 9	A 5	n 4	× 8
42	54	30	24	48
* 7	7	4 7	• 7	. 7
ж 4	x 3	1 × 6	× 5	x 2
28	21	42	35	14
• 7	. 6	· 7	• 6	. 7
× 1	* D	ж. В	· 6	. 7
7	0	56	36	49
. 10	. 6	1 . 7	. в	. 7
	Đ	4	)	. 9
50	48	_ B	.4	44
. 7	. 8	. 10	4 6	. 5
x 10	a 7	x 6	₩ 6	ж В
70	56	60	36	40
. 5	. 4	1 + 2	. 2	. 3
ж 6	a 6	x 7	* 8	× 9
30	24	.4	16	27

### 4 Match:



### 5 Complete

$$0.4+4+4+4+4+4+4+4=8 \times 4=32$$

$$04 \times 4 = 0 + 8 = 16$$

$$0.5 \cdot 8 = 4 \times 10 = 40$$
  $0.6 \cdot 6 = 4 \times 9 = 36$ 

$$0.6 \cdot 6 = 4 \times 9 = 36$$

### 6 Use the 120 Chart to find:

O List the first 20 multiples of 6.

(i) List the first 20 must ples of 7:

Giustithe common mulaples of 6 and 7 up to 100.

st the common multiples of 3, 4 and 6, up to 60;



### 7 Choose the correct answer:

$$(< \oplus = \oplus >)$$

### 8 Complete in the same pattern.

O 0	4	4	6	8	10	12	14	16	18	- 20

00	6	12	18	24	30	36	42	48	54	60
00	7	14	Z.	28	35	42	49	56	63	70

### 9 Answer the following:

On Sai ana's walk name she saw 6 cars.
 fleach car has 4 wheels.

how many wheels did she see in alt?



(2) Mana brought 6 bags of cookies to school

Each bag had 3 cookies

flow many cookies were there altogether?



Matek runs 3 mites each day.

How many mites does he run in 7 days?



O A bag of oranges contains 4 gravges show many oranges are there in 8 bags?







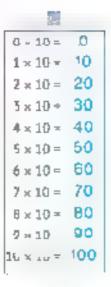
## Multiples of 8 9 and 10

#### 1 Complete

Ō

	****	
F -	1 =	-8
8 ×	3 -	24
8 ×	5 =	40
Β×	7 -	56
Вя	9 =	72
д×	10 =	80
8 ×	8 =	64
Бх	占 =	48
E×	4 =	32
8 %	2	16
Б×	<u> </u>	0

		,-0.	
Ö	-	1=	9
9	×	3 -	27
9	×	5 =	45
9	я	7 -	63
9	×	9-	81
9	×	_O=	90
9	ĸ	8 =	72
Þ	×	6=	54
9	100	4 =	36
2	mi	h.	19
4	×	,=	0



#### 2 Complete

Ó

	0	
4.8	9	- 9
3 <	9	= 27
5 ×	9	= 45
7 c	9	= 63
9 x	9	= 81
×0.	9	= 90
8 =	9	= 72
6 x	9	= 54
4 к	9	= 36
2 4	9	8
0 ×	9	= 0

0 Ð 0 x 1 > = B  $2 \times$ = 16 B 4 > = 24  $4 \times$ В = 325 8 В = 40 B 6 > = 48 8 7 × = 56 В 8 × = 64 B 72 В = 80 10 ×

0 5 × 10 ± 50 × 10 = 30 x 10 = 70 < 10 = 20 × 10 = 90 × 10 = 10  $\times 10 = 60$ × 10 = 40  $\times 10 = 80$ w 10 a 10 × 10 = 100

## 3 Complete:

	2		7		3		4		6
	2		7		7		8		8
	4		14		94	_	32		49
			3		3		5		7
	3	×	5		В	ų	7	м	7
	6		15		24		35		49
4	L		4	ь	4	4	6		6
	4	<	4		6	v	6		9
	8		16		24		36		54
4	3		2		5		4		7
9	3	×	8	×	5	×	9	4	8
	9		16		25		63		56
	2		3		3		5	-	7
	5		6	>	9	4	8		9
	10		18		27		40		63
	2		2	-	4		6	*	8
	6		9	×	7	A	7	~	8
	12		18		28		42		64
•	3		4	-	5	-	8		5
	4	A	5	2.	6	н	9	н	9
	12		20		30		72		45
	6	-	3		4		10	-	9
ч	10		10	×	10	×	10	A	3
	60		30		40		100		81



#### 4 Match.

9x4 9x2 6x4 6x2 4x4 5x8 5x8 6x6 5x6 4x10 5x4 7x8

#### 5 Use the 120 Chart to find.

- C crisc he corner on the appeal of Z and 3, ωριώ 50
   42, 18, 24, 30
- List the common multiples of 5 and 4, up to 40
   20, 40
- 3 c., st the common multiples of 4 and 6, up to 6012, 24, 36, 48, 60
- List the common multiples of 6 and 9, up to 60
   18, 36, 54
- List the common multiples of 6 and 6, up to 80
   24. 48. 72
- O cost an multiples of 10, up to 120

10 20 30 40 50 60 70 80, 90, 100 110 120

Cust the common multiples of 5 and 16, up to 100:

10 20 30, 40 50 60 70 80, 90, 100

#### 6 Compiele in the same pattern

① 0 2 4 6 8 10 12 14 16 18 20 ② 30 27 24 21 18 15 12 9 6 3 0

								Welliblez
Θ0	4 8 12	16	20	24	28	32	36	40
⊕ 50	45 40 35	30	25	20	15	10	- 5	0
0 0	b 12 18	24	30	36	42	48	54	60
<b>@</b> 20	63 56 49	42	35	28	21	14	7	0
<b>0</b> 0	8 .6 24	32	40	49	56	64	72	80
Q 90	81 72 63	54	45	36	27	18	9	0

#### 7 Answer the following.

- There are 7 apples in each basket

  How many apples are there in 6 baskets?
  - $6 \times 7 = 42 \text{ app es}$



⑤ Eman has 2 boxes of oranges.
Each box contains 5 oranges

How many oranges does Eman have?

2 × 5 • 10 oranges



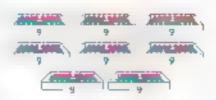


G There are 9 grasers in each box.

How many grasers are there in

8 boxes?

9 \* 8 - 72 erasers



## Accumulative

Ausessmen

# up to Lesson 4

#### Choose the correct answer:

$$c = 450 + 45 =$$

#### Second: Complete the following

- 3 The number that comes just before 20,000 is 19 999.
- b The value of the digit 0 in 23,0,4 is 0

Nine hundred thousand and nine in standard form = 900,009.

#### Third: Answer the following

#### Find the result of the following.

64

## B! Complete using (<, = or >)

$$08 \times 5$$
 > 8+5  $09 \times 3$  = 3 × 9

 fleach penicosts 6c8 how much do 6 pensicost?

## Lesson 5

#### 1 Write the factor pairs and factors of each number:

- 0 3 1 2 3 2 1
  - Foctors are 1, 3
  - 0 11 1 x 11 11 x 1 Factors are 1 11
  - 0 4 1 x 4 4 x 1 2 x 2
    - Factors are 1, 2 4
  - ① 25 1 v 25 25 v 1 5 x 5
    - Factors ate 1 5, 25
  - 0 6 1 x 6 6 x 1 2 x 3 3 x 2
    - Factors are 1 2 3, 6

- () P
  - Foctors one 1, 2
- 0 13 1 <sub>x</sub> 13 13 <sub>x</sub> 1
- Epictors are 1 13
- 0 B 1 x 9 9 x 1 3 x 3
  - Factors are 1 3, 9
- 1 × 49 49 × 1 7 × 7
  - factors are 1, 7, 49
- 1 x 10 10 x 1 2 x 5 5 x 2
  - Factors are 1, 2 5 10



12 1B

© 1 x 12 12 x 1 0 1 x 18 18 x 1

2 ± 6 6 ± 2 2 , 9 9 , 2

3 x 4 4 x 3 3 x 6 6 x 3

Factors are 1 2, 3 4, 6, 12 Factors are 1, 2, 3 6 9 18

16 16 1 1 1 20 20 1

2 8 8 2 2 10 10 2

4 4 4 5 5 4

Factors a e 1 2 4, 8 16 Factors are 1, 2 4, 5, 10 20

#### 2 Complete the following:

The number 1 has factor(s)

(5) The number 3 has 2 factor(s)

The number 2 has 2 factor s)

The number 17 has
 Factor (s)

O The number 24 has 8 facto u

The number 30 has 8 factor s).

① 1 2 3 4 6 and 12 are the factors of 12

© 1 3 S and 15 are he factors of 15

## Accumulative.

# up to Lesson 5

#### Firet: Choose the correct answer

- Eigh hundred thousand, eight hundred in standa diform, is: 800,008 @ 000,808 @ 000,008
- The smallest 5 different digit number is

10,000 👄 11 11. 🚳 20.234

500,000 + 2 + 40,000 + 60 + 9,000 + 700 =

524,697 @ 549 762 @ 267 945

, 5 + 5 ÷ 5 + 5 =

4+50-4>505-5

e 9+9+9+9=6x

[9 28 4 40(6))

#### Second: Complete the following

- a The place value of 0 in 108 123 is Ten Thousands.
- 95 Thousands + 4 Ones + 6 Hundreds = 95 604

X. XX. XXX. XXXXL XXXXX. In the same pattern.

 $46 \times 3 = 6 + 6 + 6$ 

■ B×0= 0

15

#### Third: Answer the following:

Write the factor pairs and factors of each number

1 15 15 1

4 , 2

3 , 5.

5 . 3

Factors are 1 2, 4 8

Foctors non 1 3, 5 15

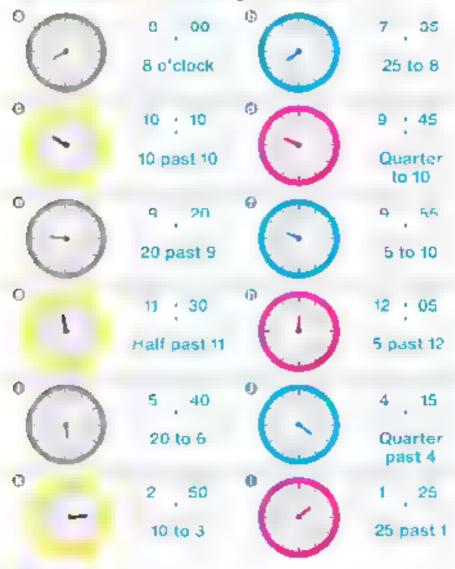
 Marwa has 4 bags of appies, each bag contains 6 appies. How many apples are there in all pags?

4 X 6 = 24 apples



## Lessons 687

1 Write the time shown on the digital clock and in words.



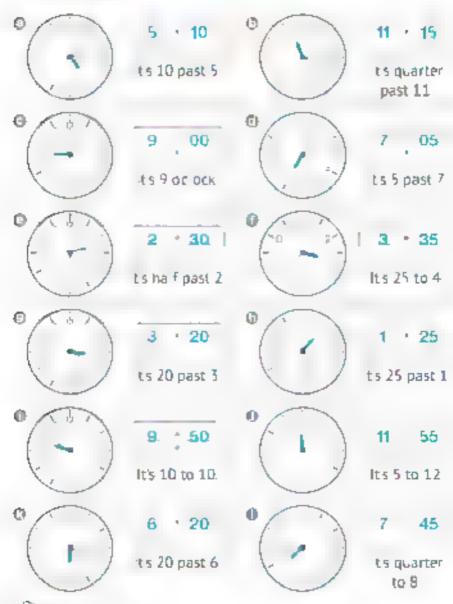
# 68.7

#### 2 Oraw the analog clock hands and write the time in words.





3 Draw the hands of the analog clock and write the Line on the digital clock.



#### 4 Calculate the chapsed time between the two clocks.



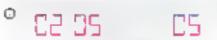
Elapsed time: 30 minutes



Elapsed time 2 hours







Elapsed time 9 hours



Eapsed time 4 hours



Eapseu ie 18 minutes



° 62 50 03 23

Elapsed time 30 minutes



Evapsed time 15 minu es



5 You leave school at 3 00 and when you get home, the clock is as shown: How many minutes did it take you to walk home?



20 minutes

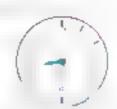
6 If it takes you 45 minutes to walk home from school and you leave at ± 00, what time will it be when you get home? Draw the time on the clock



7 Your mom put some muffins in the over at 7 00 When you take them out, the clock is as shown. How many minutes rlid it take her to bake the muffins?



- 30 minutes
- 8 If Ahmed takes 30 minutes to go to the club from home, he leaves at 8 00, when will he arrive at the club?
  Draw the time on the clock



9 Complete the following:



## Accumulative

# 2 up to Lesson 7

#### Firet: Choose the correct answer

· 3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 + 5 =

5 5 x 8 = 10 x

b 720.072 + 72 +

d The value of the dig t 3 in 35.689 s

o The largest 5 digit number is

3 × 3 曲 3 + 8 曲・4 > も

€ 7.20.000 © 7.200 © 7.20

(400 @ 40 @ 4))

300,000 💇 30,000 🥸 3,000

; 10,000 @ 98 765 **@** 99,999

#### Second: Complete the following

The number chat comes just after 60,099 is 60,100.

6 8 x 5 = 5 x 8

An hour = bu minutes

d B x8=64

e 60,020 (in word form). Sixty thousand, twenty.

#### Third: Answer the following.

Arrange the following numbers in an ascending order.

2.458 6,854 8,214 1,024 4,325

1 024

2,458

4 325 6,854

8 214

n if each Tish it costs 7. E how much do 9 Tishirts cost7

 $9 \times 7 = 63 \text{ LE}$ 

The time is now 7:00.

What time will at be after 40 minutes?

Draw the time on the clock.





## Lessons 8&9

#### Answer the following questions.

1 There are 20 fish that need to be placed equally in 4 bowls. How many fish should be put in each bowl?

Oraw a part-part-whole model to show your answer.

20 + 4 = 5

2 The teacher has 18 crayons
to be shared equally between
6 students,
What is the share of each?
Draw a part part whole model
to show your answer

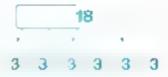
18 + 6 = 3

3 Salah has 70 oranges that need to be divided equally between 5 baskets.

Draw a part-part-whole model to show your answer

20 + 5 = 4







4 Eman is inviting 3 friends to a party. She has 12 cookies. How many cookies will each friend get? Draw a part-part-whole model to show your answer.

12 . . . 4 4 4

27

30

5 Judy has 27 pencils stored in boxes. If there are 3 boxes, how many pencils will be put

12 ÷ 3 □

how many pencils will be put in each box?

Draw a part-part-whole model to show your answer

27 + 3 - 9

6 There are 6 students in a class.

There are 30 peanuts to be divided among them If the peanuts are divided equally, how many peanuts does each

student get?

Draw a part part whose model to show your answer.

30 + 6 - 5

7 There are 24 insects, and each sacks must eat 6 insects.
How many jackats will we feed?
Draw a part part-whole modes to show your answer.

24 + 6 = 4



8 There are 25 fish and each

crocodite needs to eat 5 fish

How many crocodi es will we feed?

Draw a part-part-whole model

to show your answer.



9 Each buil eats 2 bales of hay

each day.

fithere are 100 baces, how many

butts can we feed?

Oraw a nart-nart-whole model

to show your answer.

#### 10 Divide:

$$\bigcirc 18 \div 3 = 6.$$

100

50 50

$$0.28 \div 7 = 4$$

## Accumulative

# 3 up to Lesson 9

#### Firet: Choose the correct answer

The number that comes just after 25,077 is

25 100 @ 26 D00 @ 25 D98

5+6@3×10@6×6

85,000

(5) 8 8 40 1

3 @ 5 @ 25

1 3 5 and 15 are the factors of

#### Second: Complete the following

Seventy-five chausand, nine hundred two = 75 902

(in standard form)

The place value of 7 in 54 789 is Hundreds.

d The greatest 5-different digit number is 98 765

OX GOXX GOOD XXXX

### Third: Answer the following:

○ Complete using ,<,= or >):

$$= 6 \times 2$$

4 baskets

Draw a part-part-whole model to

show your answer. 24 + 4 = 6



# Lesson 10

1 Find the missing factor in the triangles, then write the four equations to complete the fact family:

(i) 12	0 14	G 4	56
3 × 4 = 12 4 × 3 = 12 12 + 3 = 4 12 + 4 = 3	, 7 2 × 7 = 14 7 × 2 = 14 14 + 2 = 7 14 + 7 = 2	3 × 3 = 24 3 × 8 = 24 24 + 3 = 8 24 + 8 = 3	6 × 6 = 36 36 ÷ 6 = 6
9 , 9 × 9 = 81 81 + 9 = 9	7 3 21 3 4 7 21 21 + 3 = 7	42 + 6 = 7	6 × 8 = 48 48 + 6 = 8
0 30 5 × 6 = 30 6 × 5 = 30 30 ÷ 5 = 6 30 ÷ 6 = 5	21 + 7 = 3 0 27 9 × 3 = 27 3 × 9 = 27 27 + 3 = 9 27 + 9 = 3	42 + 7 = 6  36  4 × 9 = 36  9 × 4 = 36  36 + 9 = 4  36 + 4 = 9	8 x 2 = 16 16 + 2 = 8

#### 2 Divide:

$$\Theta 30 \div 5 = 6$$

$$0.20 \div 5 = 4$$

#### 3 Divide:

07 6

04 1

E

O 3 24

- 5

**0** 6 30

**(b)** 3 | 6

4

0 9 36

7

♠ 4 28

1

(3 8 B

#### ĺ,

**G** 5 10

- 4

0 6 24

9

**⊕** 3 27

9

0 7 63

#### 4 Olvida:

$$O \frac{72}{8} = 9$$

$$\odot \frac{42}{6} = 7$$

$$\Phi = 9$$



#### 5 Complete the following:

6 Describe each of the following arrays using one multiplication problem and one division problem:



 $3 \times 5 = 15$ 



= A 12 ÷ 4 =

Ģ

15



2 x 6 - 12



## Accumulative,

# 4 up to Lesson 10

#### Firet: Choose the correct answer

The number that comes just before a 0,500 is

20 499 🗢 20 40 . 🐠 10. 🗝

[3 (4) (4) (4) (5)

Eighteen thousand eight hundred and eight =

13,808 🚭 80,808 📦 18,860

#### Second: Complete the following

d. The smallest 6-digit number is 100,000.

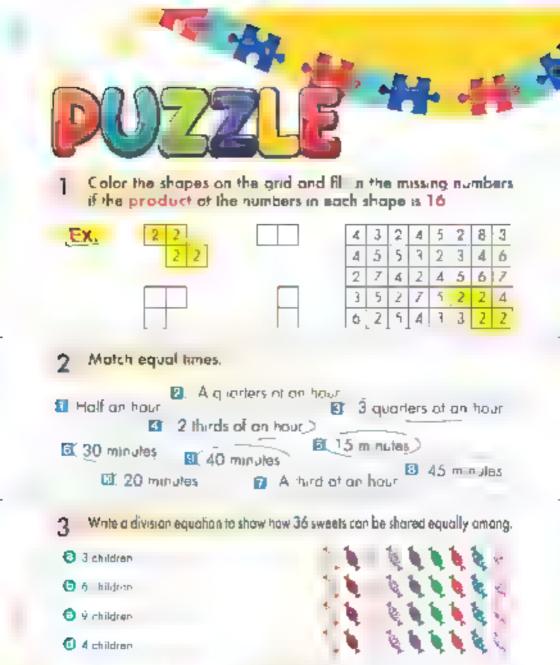
#### Third: Answer the following:

#### Find the result.

#### b Complete using (<, = or >):

## The price of each book is 8 pounds

How many books can you buy if you have 40 pounds?







# Lesson 1 Polygons

1 Color the polygon(s) only



2 O Color the quadrilateral shape(s) (4 sides):







@ Color the pentagon(s) (5 s dos):



Color the hexagon(s) (6 sines):



- O Draw a shape with 3 sides:
- O Draw a shape with 4 sides:



Name

Trian ge

O Draw a shape with 5 sides:



Name Quadrilatera

Draw a shape with 6 sides.



Name

pertagon

Name

hexagon

#### 3 Complete.

- O The triangle has 3 sides. 3 angles and 3 yertices.
- The octagon has 8 sides, 8 angles, and 8 vertices.
- G The pentagon has 5 sides 5 angles and 5 vertices
- The hexagon has 6 sides 6 angles, and 6 vertices.
- Of the pentagon has 5 sides but the hexagon has 6 sides
- @ The heptagon has 7 sides, but the triangle has 3 sides
- © The octagon has 8 langues, but the heptagon has 7 sides.
- (i) The triangle has 3 angles, but the Quadri ateralhas 4 angles.

#### 4 Write down the name of each polygon:



#### Please Choose the correct answer:

10 Thousands + 10 Hundreds + 10 Tens =

101 010 @ 11 .00 @ 10 ...0

#### Second: Complete the following

The polygon that has 5 and es is called Dentagon

of The smallest 5-dig it number that can be formed from the digits 3-8 and 7 is 33,378

5 de5

#### Third: Answer the following:

B Find the result

$$0.40,000 + 500 + 60 + 7 = 40.562$$
  $0.0 \times 8 = 0$ 

$$\Theta \cap xB = 0$$

b. Write the time shown on the clock



20 past 9

o

Quarter

Feach per costs 9LE how many persican you buy with 63LE? 63 + 9 = 7 pens



# Lesson 2 Properties of Quadrilaterals

1 Write the name of each quadrilateral

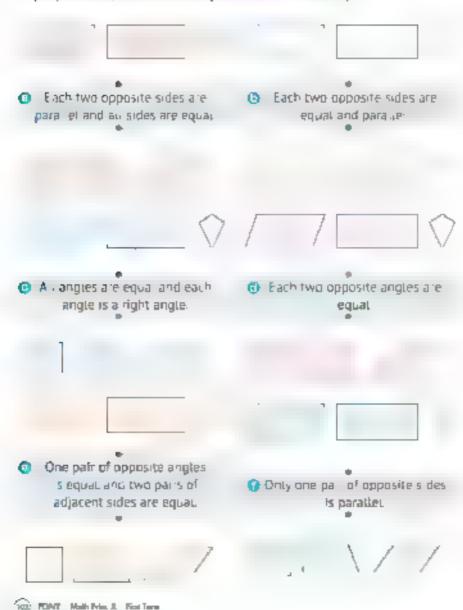


2 Maich each quadrilatera, to its name:





3 Match the following quadmaterals with their compatible properties. (Could be one quadrilateral or more)



#### 4 Complete.

- O The quadrilateral is a polygon that has 4 sides.
- O Each two opposite sides are equal and paraller in parallerogram

square rectangle and rhombus

- G At sides are equal in square and rhombus
- C) A langues are equal in Square and rectangle
- Only one pall of opposite sides is parallel in trapezoid
- Two pairs of adjacent sides are equal in kite
- O in the paracelogram, each two opposite sides are equal in length
- (i) In the rectangle, all angles are I ght
- () In he square, all sides are equal and at angles are right
- (i) In the trapezoid, only one pair of apposite sides is paralle
- () In the kite, two pairs of adjacent sides are equal

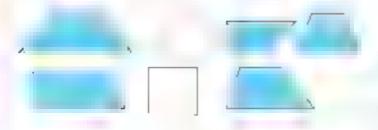
#### 5 Color the parallelogram(s):



•



6 Color Jie trapuzium(s)



7 Color the rectangle(s):



8 Color the kite(s)



# Accumulative,

#### Choose the correct answer

Each two opposite sides are parallel in the

(Square) trapezium 😘 lite ,

b The quadrilaterat has

3 @ 4 @ 5 angles.

9+9+9+9+9-

(9×9 @ 9×5 @ 9+5

d 9x10 =

×9

((10) @ 9 @ 90 )

The value of the dig t 5 in 50 112 s.

(50,000)@ 5,000 @ 500 )

#### Second: Complete the following

3 45 Thousands + 10 Hundreds + 5 Ones =

46,005

E The \_ hexagon. has 6 sides

A angles are right angles n Equare and rectangle

d An hours

60 minutes

9 2 m =

200

## Third: Answer the following:

a Find the result:

@ 72 ÷ 9 =

O 50,000 + 500 + 5 = 50 505

Write down the name of each quadrilatera

0 .

e

#### Para le ogrami

K te

Rectangle |

Trapezo di

Each week has 7 days. How thany pays are there in 8 weeks?

30

8 = 56 days



## Lesson 3 Area

#### 1 Find the area of each shape:







Number of rows = 4 rows Number of rows = 3 rows

Number of columns = 7 columns Number of columns = 7 columns

Area = 4 X 7

Area = 3 x 7

28

square units

= 21 square units

0



(F)



Number of raws

= 4 cows Number of columns = 6 columns

Number of rows = 4 rows Number of columns = 4 columns Area = 4

Area = 4

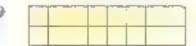
24 square units

х 6

х 4 = 16 square units



0



Number of rows = 5 rows Number of rolumns = 9 rolumns Number of columns = 8 columns

Number of rows = 2 nows

Area = 2 X

Area = 5 X 9 = 45 square units

= 16 square units

(4)

0



cength = 6 units

4 Width = units

6 Area x 4

24 square units 0

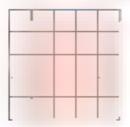


Length = 5 units

Width = 2 units 5 x 2 Area

10 square up its

0



Length = JOIES.

5 Width = anits

5 x 5 Area =

25 square on to 0



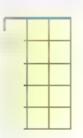
Length + 8 JDIES.

Width = 4 UNITS

8 x 4 Area

32 square units

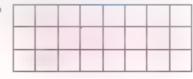
0



Length anits. 3 Width = units

5 x 3 Area

15 square units 0



Length -8 JPit5

3. Width = units

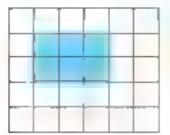
8 x 3 Anea

> 24 Square uttins

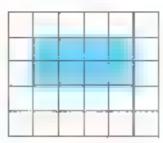


2 Jse Jie grid to draw a rectangle representing each of the following multiplication sentences, then calculate the area.

0



0



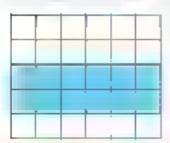
\_ K 4 =

-	٠			
	١			
	1			

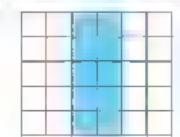
2×4= 8.



ø



0



622=

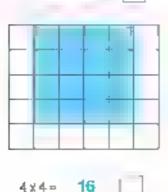
12

_	_	_	_	

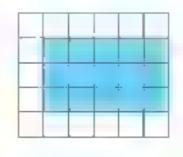
5x2=



٥



0

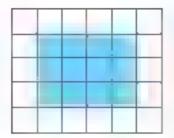


15

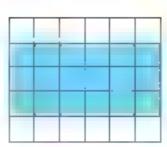
10

3×5=

0

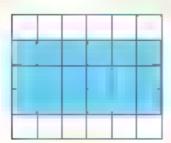


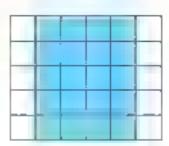
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3 (4 - 12

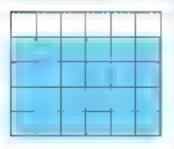
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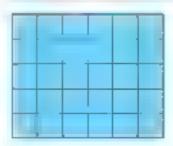






0





6x4= 24

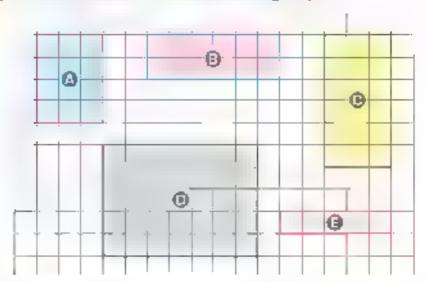
5 × 6 = 30



#Gode Math from First form 104



Determine the total area of the following shapes.



Area of shape	0	3	x	4	=	12	
Area of shape	8	2	Ж	6	-	12	
Area of shape	Θ	6	>	3	۵	18	
Area of shape	•	5	x	7	=	35	
Area of shape	<b>3</b>	1	χ	5	=	5	

1 The total area = 12 + 12 + 18 + 35 + 5

# Accumulative

#### Choose the correct answer

Nine thousand and ninety =

0P0,090 @ 90,090 @ 900,090

to The rhombus has angles

3 @ 4:0 5

Agr հր.յո –

minutes

.5 460 @ 30

d5x4=

5+5+5+5+5 @ 4+4+4+4 @ 1D + 10 h

The largest 6 digit number is 949 999 @ 987654 @ 400,000.

### Second: Complete the following

5 Tens + 45 Thousands + 5 Hundreds = 45.550

Jo The pentagon has 5 sides

c 20 mm = ∠ cm

d in the square, all and es are equal in measure

⇒ 27,36 45 54 63 72.,81

### Third: Answer the following:

Complete using (< , ≈ or >)

0.6x7 > 5x8

@ 2 hours > 100 minutes

© 7856 > 7586

© 20 rm > 20 mm

#### .b Find the area of each shape:

0



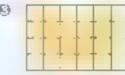
16 vce3 ◆

square upits

69



Square on 15



24 Area +

square units



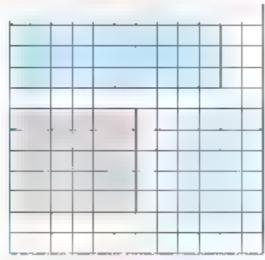
# Rectangles with Equal Area, Area Using Models

- 1 On the grid below, draw and label as many rectangles as you can with the given area. Then write equations that match your rectangles
  - © 30 square units

$$30 = 3 \times 10$$

$$30 = 5 \times 6$$

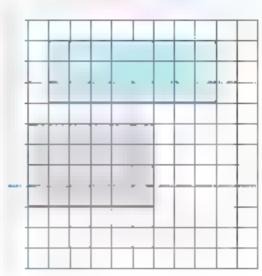
$$30 = 6 \times 5$$



② 24 squale units

$$24 = 3 \times \theta$$

$$24 = 4 \times 6$$



#### Rectangles with Equal Area Area Using Models





$$20 = 4 \times 5$$

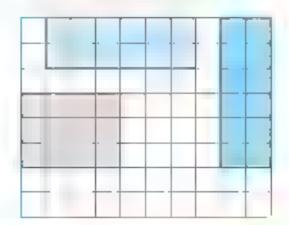


#### 12 square units

$$12 = 2 \times 6$$

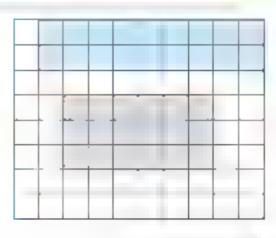
$$12 = 3 \times 4$$

$$12 = 6 \times 2$$



#### O 18 square units

$$18 = 2 \times 9$$





#### 2 Find the area of each shape.

Ġ



0



Area = 4 X 3 Area = 2 X 6

12 square units

12 square units

0



**(3)** 



Area = 4 X B

= 32 square units

Area = 3 X 5

15 square units

Ġ



0



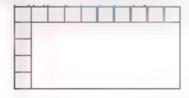
Area = 5 x 5

= 25 square units

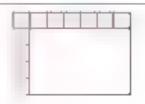
Area = 2 X B

16 square units

ø



0

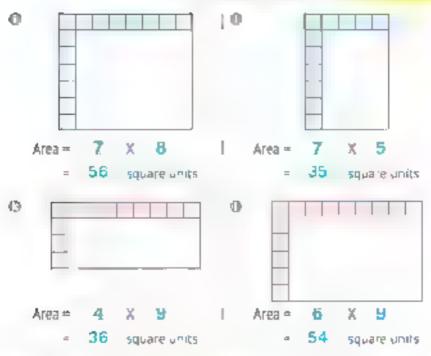


Area = 5 X 10

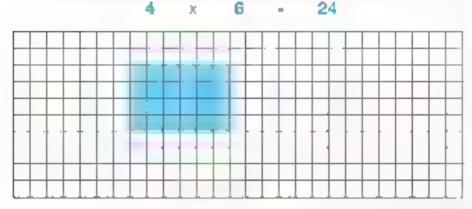
50 square units

Area = 5 X 7

35 square units



3 Youssef over watermelon and wants to plant it in his garden Watermelon. needs I square unit of space. He would like the garden to have 4 rows. with a square links in each row. How many watermelons can Youssef fit in his garden? What is the area of his garden in square units?



## Accumu ative

Assessment

### First: Choose the correct answer:

Chapter 4

a B + B + B =

\* \$8,000 + \$58 \*

The hexagon has

4 4 2

e. The value of the digit 4 in 24,987 is

(4 X 6 @ 3 + B @ 8 X B)

5,858 🗅 580 , 58 🗗 58 , 58

5000007

 $(0 \oplus 1 \oplus 9)$ 

40 @ 40D @ 4 100

### Second: Complete the following

The place value of the digit 3 in 203 is Ones.

8 Ones + 63 Thousands + 6 Tens = 63 068

6 6 x 3 = 3 x 6

:네구,3 = 7 +

sides

The factors of the number 8 are 1 2 4

and

#### Third: Answer the following:

Arrange the following numbers in a descending order.

25,402 , 25,204 , 25,024 , 25,470 , 25,240

25,420 25,402 25,240 25,204

25 024

b. Find the result.

02x5= 6

@ 24+3= 8

6) 8

64

**a** . 8

51

9 9

Find the area of the opposite shape

Area = 4 x

28 square units



# Lescons 6&7 Area by Splitting Arrays - Distributive Property on Multiplication

1 Complete using the Distributive Property



Color.

4

3 X 5 5 columns 3 X 4

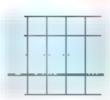
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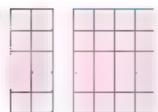


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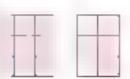




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0



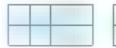
5 x 2 + 5 x 4 (3 x 3)+(3 x 2)

0



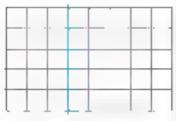


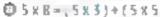
0

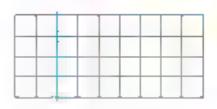


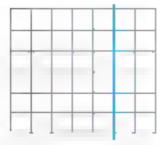


#### 2 Divide the following arrays according to the Distributive Property

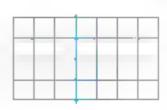




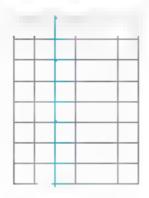




@6x7-(6x5)+(6x2,



@4x7=(4x3)+,4x4)



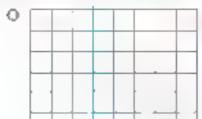
@ 8×6=,8×2)+(8×4,



@ 2x8=,2x5,+(2x3)



3 Divide the following arrays, then use the Dis in new Property.



(There is more than one answer



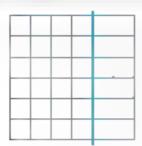
$$=$$
 18 + 30  $=$  48

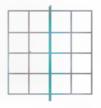


0









#### 4 Complete the following:

$$04 \times 8 = 4 \times 5 + 4 \times 3 = 20 \quad 12 = 32$$

$$05 \times 9 = 5 \times 5 + 5 \times 4 = 25 \quad 20 = 45$$

$$05 \times 6 \times 4 \quad 0 \times 2, \quad 21 \quad 12 \quad 36$$

$$0 \quad 3 \quad \times 8 = 3 \times 5 + 3 \times 3 = 15 + 9 = 24$$

$$0 \quad 7 \quad \times 6 = 7 \times 2 + 7 \times 4 = 14 \quad 28 = 42$$

$$08 \times 7 = (8 \times 3 + 8 \times 4) = 24 \times 32 = 56$$

$$00 \times 9 = 6 \times 4 + 6 \times 5 = 24 \times 30 = 54$$

$$03 \times 7 = 3 \times 4 + 3 \times 3 = 12 \quad 9 = 21$$

$$04 \times 8 = 4 \times 4 \times 3 + 4 \times 5 = 12 \quad 20 = 32$$

#### 5 Complete the following: ( As in the example ):

Ex. 
$$8 \times 17 = 8 \times (10 + 7) = 9 \times 10 + 8 \times 7 = 80 + 56 = 136$$

O  $7 \times 13 = 7 \times (10 + 3) = (7 \times 10) + (7 \times 3)$ 

=  $70 + 21 = 91$ 

O  $4 \times .2 = 4 \times (10 + 2) = 4 \times 10 + 4 \times 2$ 

=  $40 + 8 = 48$ 

O  $9 \times .3 = 9 \times (10 + 3) = 9 \times 10 + 9 \times 3$ 

=  $90 + 27 = 117$ 

O  $8 \times .5 = 8 \times (10 + 5) = 8 \times 10 + 8 \times 5$ 

=  $80 + 40 = 120$ 

### Accumu ative

#### Assessment

#### Firsts Choose the correct answer:

Nineteen thousand, nine hundred and nine =

19 909 @ 90 909 @ 19 990

700,007 @ 7007 @ 7074

7 a 7 @ 7 x 5 @ 7 + 5

2 + 2 🗇 4 + 4 + 4 + 4 🖎 8 X8

d 8×2-The value of the digit B in 308,964 is

800.000 **a** 80.000 **b** 8.000 t

### Second: Complete the following



 $\sqrt{700 + 0 + 0 + 7} =$ 

C 7+7+7+7+7=



Bans-( 6 us) ( 6 m 4 , 707×6= 6 ×7

→ The number 57,000

comes just after 56 999

e 700 Thousands + z Hundreds + 108 Tens = 701,280

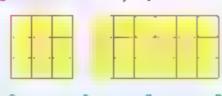
#### Third: Answer the following

Arrange the following numbers in an ascending order.

75.050 75.005 75.500 75.505 75.055

 75 005
 75,050
 75,055
 75 500 75 505

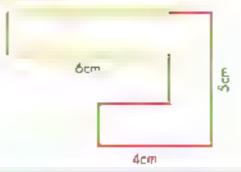
b Complete using the Distributive Property:



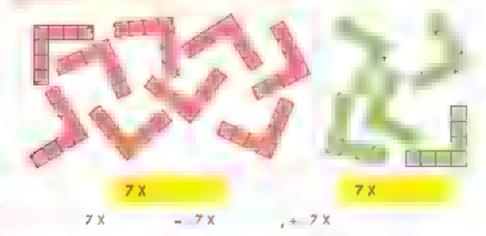
3 x 3 + ( 3 x 6



Write the parimeter of the given figure:



Write operations about the picture.



Anscor

96 - 55 + E9 - 5 % + 6 % z - 5 % + 6

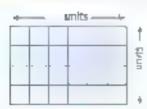




## 1 Perimeter of Polygons

#### 1 Find the perimeter of each shape.

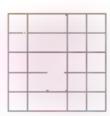
0



Perimeter = 6 + 4 + 6 + 4

= 20 units

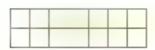
0



Perimeter + 5 + 5 + 5 + 5

= 20 units

0



Penmeter = 7 + 2 + 7 + 2

= 18. .. units

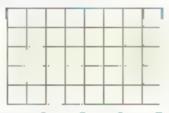
0



Penmeter = 4 + 4 + 4 + 4

- 16. units

Ø



Perimeter = 8 + 5 + 8 + 5

26 units

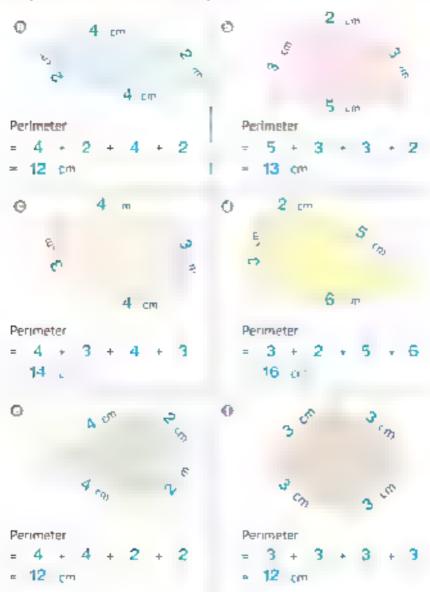
-0



Penmeter + 8 + 3 + 8 + 2

= 22 units

2 Use your ruler to measure each of the side lengths of the following quadriaterals, then find the perimeter





- 3 Use your later to messure each of the side lengths of the following: quadrilaterals, then find the perimeter
  - Perimeter

= 18 cm



Perimeter

16 cm



Perimeter

22 cm

Perimeter

e 12 cm



Perimeter

16 cm



## Accumulative

# up to Lesson 1

#### Choose the correct answer



The value of the digit 7 in 25 748 is

( 700,000 @ 7,000 @(700°)

to The number of sides of the pentagon is

405506

\* B + B + 8 =

8+3-6 < 4-5 B x B

d. The number that comes, ust before 200 100 is

200,000 @ 100 100 @ 200,099

÷ 2 m = CIT ( 20 **@**.200@ 2,000 ,

### Complete the following

2 74 Thousands + 5 Ones + 7 Tens + 3 Hundreds - 74, 375

₱ 120 imples = 2 Impa(s)

< 8x5+ B + B + B

on the mambus all sides are equal.

#### Answer the following.

Find the perimeter of the opposite figure

Henmeter

$$= 3 + 7 + 3 + 7 = 20$$

rength units



G. Write the time shown on the clock

0

25 past 2

a

past 11

Write down the name of each shape



Kite



Paral elogram

Rectangle

Trapezo di



# 2-4 Perimeter and Area Area Using the Dimensions Area Using Different Strategies

#### 1 Find the area and perimeter of each shape:

= 20 length units



= 18 sength units



Per meter = 2 + 6 + 2 + 6

= 16 .ength writs

Area = 4 x 4 = 16 square units

Perimeter = 4 + 4 + 4 + 4

1.6 length units

Area = 5 x 5 = 25 square upits

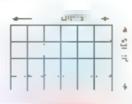
Per meter = 5 + 5 + 5 + 5

20 ength units

O Area = 6 x 6 = 36 square units

Per meter = 6 + 6 + 6 + 6

= 24 rength units





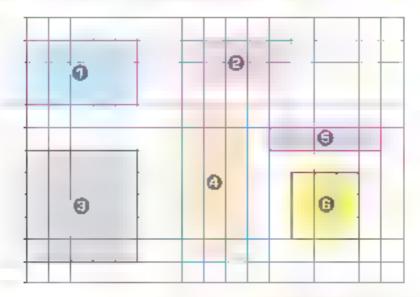








#### 2 Look at the following grid their complete disclable.



Shape	Perimeter	Area
1	3 + 5 + 3 + 5 = 16 length units	3 x 5 = 15 square units
2	2 + 5 + 2 + 5 = 14 ength units	2 x 5 = 10 square units
3	5 + 5 + 5 + 5 = 20 ength units	5 x 5 = 25 square units
4	7 + 3 + 7 + 3 = 20 ength units	7 × 3 × 21 square units
5	1 + 5 + 1 + 5 = 12 ength units	1 x 5 = 5 square unics
6	3 + 3 + 3 + 3 = 12 ength units	3 x 3 = 9 square units



#### 3 Find the area of each shape using two different strategies.

	Shape	First Strategy	Second Strategy			
0		4 + 4 + 4 = 12	3 X 4 = 12			
+		Area = 12 square units	Area = 12 square units			
		4+4+4+4	4 X 4 = 16			
		Area = 16 square units	Area = 16 square un ts			
0		4 + 4 = B	2 X 4 = 8			
		Area = 8 square units	Area = 8 square units			
963		3 X 3 = 9	3+3+3=9			
		Area = 9 square uni s	Area = 9 square units			

Shape	First Strategy	Second Strategy				
@ <del>4</del>	4 X 3 - 12	3+3+3+3 - 12				
3 m	Area = 12 square cm	Area = 12 square cm				
O 4	4 X 2 8	2+2+2+2 8				
2 cm	Area ≈ 8 square cm	Areo = 8 squale (m				
0 4	2 X 2 = 4	2+2=4				
2 cm	Area = 4 square cm	Area = 4 square cm				
E @ m	3 X 3 9	3+3+3 9				
3 cm	Area = 9 square cm	Area = 9. square cm				

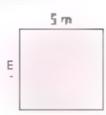


#### 4 Find the area of each of the following rectangles.

0



0



Area =

Area -

25 square m

- 0

9 cm

Area = 5 x 4

36 square cm

0

7 cm

Area =

7 x 7

49 square cm

Θ

8 m

£ m

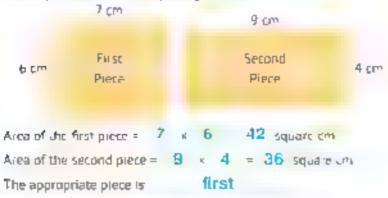
Area = 8 x 3

= 24

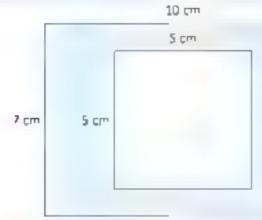
square m

5 Ahmed has two pieces of paper as shown. He wants to use one of them to draw a rectangle whose area is 40 square centimeters.

Which piece is used? Explain your enswer



6 Hussam has a piece of paper in the shape of a rectangle, 10 cm long and 7 cm wide. From it he rul a square piece with a side length of 5 cm. What is the area of the remainder?



## Accum aftive.

# 2 up to Lesson 4

#### Choose the correct answer:

Two hundred twenty shousand and two in standard form =

222 000 @ 220 200 @ 220,002

$$4 \quad x = (3 \times 5 + 3 \times 2)$$

- The smallest 5-dig t number s
- ( 10,000 🚳 99 999 👄 10 734

### Complete the following

$$a 9 x 3 = 3 x 9$$

b The number hat comes just before 35,000 is

34 999

A. sides are equal in length in SQLare

and chombus

The time shown on the apposite clock is 5 past 12



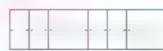
#### Answer the following:

3 Find the area and perkneter of each of the following









Area + 3 x 5 15 square units Area + 16

square units

Perimeter - 16 ength units Perimeter - 20 length units

Arrange the following humbers in a descending order.

25 250 25.025 25.205 25.502 25.052

25,502 25,250 25,205 25,052

25 025

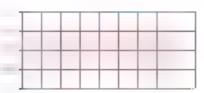
### 586 Different Perimeters for the Same Area -Different Areas for the Same Pennieter

1 Oraw a rectangle with the same area as the given rectangle but with different perimeter.

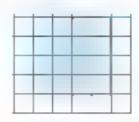


Area = 12 square units Area = 12 square units Per meter = 14 length units Perimeter = 16 length units

Ο.

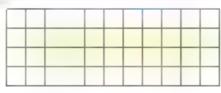


Area = 16 square units Area = 16 square units



Per merer = 20 ength amis Perimeter = 16 length amis

Θ



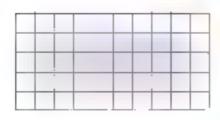
Area = 20 square up ts Perimeter = 24 length units



Area = 20 square up to Perimeter = 18 ength units

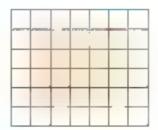


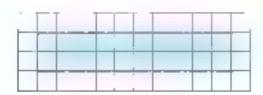
0



Area = 24 square units Area = 24 square units Perimeter = 22 length units Perimeter = 20 ength units

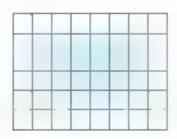
0





Area = 20 square units Perimeter = 24 length Units

#### 2 Draw a rectangle with the same por meter as the given rectangle. but with different area.



Area = 24 square units Area = 25 square units

Per meter = 20 ength up to Perimeter = 20 length upits

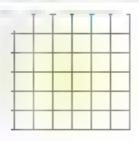
٥



Area = 15 square units Area = 16 square units

Perimeter = 16 length units Perimete = 16 ength units

G



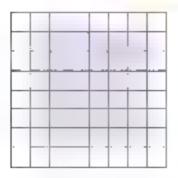
Area = 20 square units



Area = 18 square up ts Penmeter = 18 length units Permeter = 18 length units



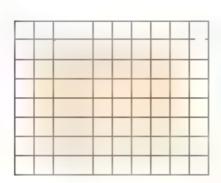
0



Area = 36 square units Area = 32 square units

Perimeter = 24 length units Perimeter = 24 ength units

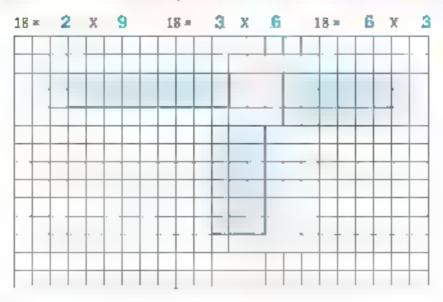
Ö



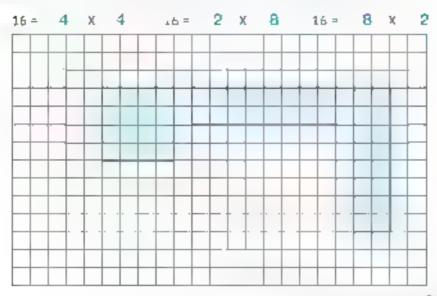
Area = 48 square units Area = 45 square units

Perimeter = 28 length units Perimeter = 28 ength units

3 Oraw 3 different rectangles with an area of 8 square units each

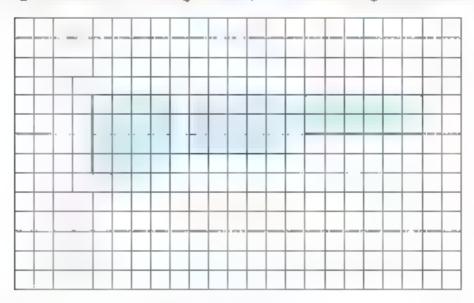


4. Oraw 3 different rectangles with an area of 16 square units each

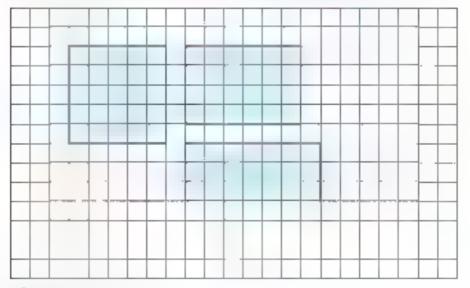




5 Draw 3 different rectangles with a perimeter of 16 length units each



6 Draw 3 different rectangles with a perimeter of 24 length units each



## Accumulative/

# 22 up to Lesson 6

#### Choose the correct answer

- 5 The value of the dig t 8 in 35 896 s
- 8 000 @ 800 @ 80

- h The
- has 5 sides
- triangie 🐠 pentagoñ 🐠 hexagon

420 + 42 =

42,042 @ 4,242 @ 462

d 3 < 5 =

3 3-3-30-5 5 50-3 5

9 B x 4 =

64 x 8 10 B + 4 10 B + 8 B

### Complete the following

- 6 70,020 (in word form) = Seventy thousand twenty
  - NO KNO KKKO DOCKO XXXXXXX
- d. The greatest number formed from the digits 5.3 & 4, and 2 s 54 320.
- 6 45 + 9 = 5

## Complete the following

Draw 2 different rectangles with an area of 12 square units.





Draw 2 different rectangles with a per meter of 12 length units







## 7 Applications on Perimeter and Area

1 A farmer is building a fence around his garden fithe garden is 8 meters long and 3 meters wide how much fencing does he need to buy?

8 + 3 + 8 + 3 = 22 meters

0 + 3 + 0 + 3 = 22 meters

2 Each side of a square patch of grass is 5 meters long.
What is the patch's area?
5 X 5 25 square meters



3 The surface of a lertangular table is it m long and 3 m wide What is its area?
4 X 3 12 square meters



4 The surface of an office desk is 2 m wide and 3 m long. What is its perimeter?

3 + 2 + 3 + 2 = 10 m



5 A rectangular goat form is .0 meters .ong and 7 meters wide What is its area?
10 X 7 70 square meters



#### Applications on Perimeter and Area

6 Each side of a square piece of paper is 9 cm long. What is the piece of paper's area?

9 X 9 = 81 square cm





4 X 2 = B square meters

8 A book has a length of 10 cm and a width of 15 cm.
What is the perimeter of the book?



9 Before soccer practice. Adam warms up by jogging around the entire soccer field.



10 Rana has some brownies. The length of each brownie is 7 cm and the width is 5 cm.
Find the area of the brownies.

7 X 5 = 35 square cm



## Accum aftive.

# 23 up to Lesson 7

Choose the correct answer:

81 **@ 2 @ 5** |

a 9 Ones + 3 Tens + 7 Hundreds + 15 Thousands s.

(93,715 @ 15,739 @ 150,739)

b The greatest 5 different-dig t number is

90.000 @ 98,765 @ 10,234

(3×5006+3006+3

4×90.6×304×6

The number 1 has factor(s)

Complete the following

1 3+3+5+5+4+5=

d 4 x 3 + 4 x 3 "

The number 52,374 (in word form) Fifty two thousand.

three hundred seventy four

- b The hexagon has vertices.
- The number that comes just after 20,099 is

20 100

- A The value of the digit 0 in 305.224 is

Complete the following.

a. Find the area and per meter of the following figures

o



e



Area -

20

square units. Area -

28

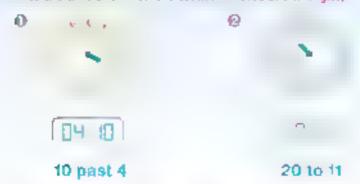
square units

Perimeter =

ength units Per meter = 22

ength units

b. Write the time shown on the cook on words and in digits).

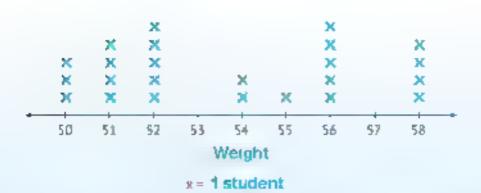


The following data shows the weights of 24 students in kilog ams.

Weight	50	5.	52	53	54	55	56	57	58
Number of Students	3	4	5	0	1	1	5	ō	å

Create a une plot using this data

Weights of Students





- Select the correct answer from a choice of six possibilities.
- O am not a rewand =

  My area is more than 8 squares

  My per males is more than 2

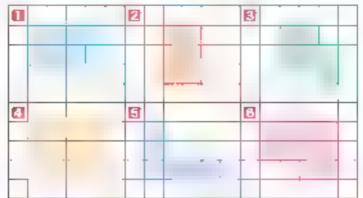
Who an I7

My area is less than 7 sides

My area is less than 7 squalits

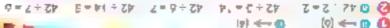
My perimeter is less than 2

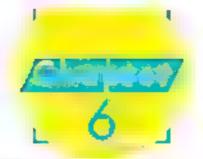
Who am 7



2 Fil in the missing numbers and signs (+, -, x, +)







### **Lesson**

1

+ Iteason 8 Chapter 5 "Multiplying by Multiples of 10")

### 1 Find the product

- $0.1 \times 40 = 40$
- O 8 x -0 = 240
- @ 3 x 60 = 180

- @ 3 x 50 = 150
- @ 5 x 80 = 400
- $0.5 \times 70 = 350$

- $0.7 \times 90 = 630$
- Ø 7 € 40 = 280
- 0 9 × 80 = 720

- 0.7170 = 490
- $\bigcirc 8 \times 60 = 480$
- $0.9 \times 20 = 180$

- © 2 ± 50 = 100
- @2±40± 80
- @ 4 x 70 = 280

- $0.4 \times 60 = 240$
- @ 6 > 20 = 120
- G 6 > 80 = 480

### 2 Complete the following:

$$(3) 40 + 40 + 40 + 40 + 40 + 40 + 40 = 7 + 40 - 280$$

$$\bigcirc 4 \times 30 \quad 30 + 30 + 30 + 30 \quad 120$$

$$0.3 \times 80 = 80 + 80 + 80 = 240$$



### 3 Complete the following

$$0.4 \times 10 = 40$$

$$0.4 \times 10 = 40$$

### 4 Complete the following:

$$\Theta = x = 0 = 9 \times 8 \times 10 = 72 \times 10 = 720$$

$$0.7 \times 70 = 7 \times 7 \times 10 = 49 \times 10 = 490$$

### 5 Choose the correct answer

$$Q 7 \times 4 \times 10 = 0$$

#### Patterns of Multiplying by Multiples of O

(4 @ 36 @ 360

### A Match:





### 7 Find the product.

$$0.9 \times 30 = 270$$

$$0.8 \times 20 = 160$$

$$0.800 \times 20 = 16,000$$

### 8 Complete the following

$$40.600 \times 40 = 24.000$$

$$0.50 \times 20 = 1,000$$

### Accumulative,

Asses ner

# 24 up to Lesson 1

### First: Choose the correct answer

- The value of the digit 9 in 89.123 is:
- H 25.025 + 25 +
- c 4+4+4+4=
- 7 6 x 6 =

- 90,000 @ 4.000 @ 400
  - 25 @ 250 @ 25,000
  - 4+408+208x2
- 6+6+6+6 6 6 x 2 6 9 > 4
- € The smallest number formed from 6 7 2 0 and 5 is

(\$0,56\)\ 30 76,520 @ 25,670)

### Second: Complete the following:

- a 750 Thousands + 100 Hundreds 750 000 + 10 000 760 000
- $6.7 \times 14 = 7 \times 10 + 7 \times 4 = 70 + 28 = 98$  $6 \times 1 = 6 \times 7 \times 0 = 42 \times 11 = 420$
- a Twenty thousand and twenty (in standard form) 20,020
- 80,72 64,56, 48 , 40 , 32

### Third: Complete the following:

- Find the product:
  - $0.7 \times 50 = 350$
  - @ 8 x 90 = 720

- $0.45 \div 5 = 9$
- 48+B 6
- h Arrange the following numbers in a descending order
  - 10,005 , 1,005 , 1,050 , 15,000 , 1,500
  - 15,000 10 005 1 500 1,050
- He buys 6 eggs each time he goes there

  How many eggs did Ahmed buy last month?





1 005



## Lesson 2

### 1 Complete.

### © Find the product:

$$22x3 = 6$$

2 6 K

5 5 X

B 7 X

M 6 X

8 K

2

4

3

3

□ 18

= 20

= 71

24

= 24

#### 2.00

3 2 X 4 =

6 3 K 4 =

9 3 X 5 =

12 3 X 6 =

15 3 X 7 =

5 × 6 =

24 4 X 9 =

47 6 X 7 -

33 8 X 8 =

36 9 x 9 =

35 7 x 7 = 49

m 5 x 5 = 25

Ð

12 15

18

21

30

36

42

64

81

### Strategies of Multiplying by 9

類 9 X

9

= 81

6

= 36

### 2 Complete:

319X 2

= 18

亚るX

0	2	P 2	€) 2	Ø 4
	X 2	λ 6	• 9	. 9
	4	12	18	27
0	5	G 9	Ø 2	O 2
	X 6	х 6	۶ <b>٦</b>	к 7
	36	54	6	14
0	4	20 4	Ø 5	恒 7
	X 5	9 7	v 8	v 8
	50	28	40	56
(1)	2	Φ 3	127 3	⊕ 5
	X 4	v 5	v 7	8 ۲
	8	15	21	30
$\oplus$	7	<b>0</b> 9	® 3	₽ 4
	Х Б	X 7	1 X 3	X 4
	42	63	3	16



(b) d	<i>₹</i> 3 4	<b>6</b> 5	€ 8
х Б	х 8	x 9	x B
24	32	45	64
⊕ 2	. 1	€ 6	<b>9</b> 5
۸ 5	х 8	ь В	× 7
10	16	48	35
€	r* 9	6 3	· · · · · · · · · · · · · · · · · · ·
× 7	× 8	x 4	× 6
42	72	12	18
⊕ 5	4 <u>7</u> . 9	亞 7	€ 9
v 5	x 4	χ 7	x 9
25	36	49	81
¢∑ji G	4 6	F. 8	Ø 7
, 9	, 8	, 7	, <b>5</b>
81	48	5 <b>6</b>	35
① 6	Ø 4	Œ 8	<b>©</b> 7
, Б	. 4	. 8	x 7
36	16	64	49
€F1 9	€ 8	O 8	C 5
x 6	y 4	х 6	x 5
54	32	48	25

### Use the English Trick Starlegy to find.

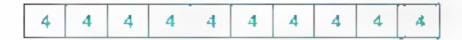




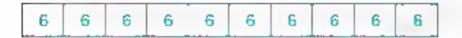
### 4 Use the Ton Facilia Straigly to find.

### 69 X 2

### @9 X 4



### @9 X 6



$$9 \times 6 = 10 \times 6 \quad 6 = 60 \quad 6 = 54$$

### @9 X 8

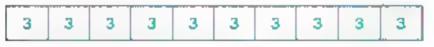
8	8	9	8	8	8	8	9	8	8
			- M	-		- u			· ·

$$9 \times 8 = 10 \times 8 \quad 8 = 80 \quad 6 = 72$$

#### 09 X 1

1 1 1 1 1	1 1	1	1	1
-----------	-----	---	---	---

### 09X3



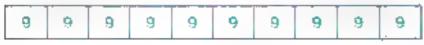
### @9 X 5



### @9 X 7

7	7	7	7	7	7	7	7	7	7

### @9 X 9





### 5 Choose the correct a rewer

### 5 X 5 👁 3 X 💵 🛈 👁 6 X 6

#### & Complete:

7

$$\Theta 5 \times 4 = 10 \pm 10 = 20$$

$$0.4 \times 4 = 2 \times 8 = 16$$

### Accumulative

# 25 up to Lesson 2

### Choose the correct answer

$$a \cdot 9 \times = 10 \times 7$$

(6 6 7 6 8)

8 X 8 1 8 + 5 1 4 X 10

45,045 @ 495 @ 4 545 )

751 540 @ 765,040 @ 750,190

200,000 🐠 20,000 🖎 2,000

### Second: Complete the following:

### Third: Answer the following

### Find out the result of the following:

98 27

71

### Ecomplete using (<, = or >):

Each pen costs 9LE

How much do 8 pens cost?

$$9 \times B = 72LE$$





## Lesson: 3

### 1 Find the result of the following:

$$0.5 \times 12 - 5 \times (10 + 2) = (5 \times 10, + (5 \times 2) = 50 + 10 = 60$$

(Using Distribution Property)

(Using Distribution Property)

$$0.7 \times 4 + (7 \times 6) = 7 \times 4 + 6) = 7 \times 10 = 70$$

(Using Distribution Property)

### Complete the following.

$$\Theta \in X \quad D = 0$$

$$0.9 \times 17 = 9 \times 10 + 9 \times 7 = 90 + 63 = 153$$

$$0 + 4 \times 14 = 4 \times 10 + 4 \times 4 = 40 + 16 = 56$$



### 3 Complete using (X or +).

#### 4 Choose the correct answer

$$=0$$

$$(4 \oplus 19.9 \oplus 1)$$

$$=(5 \times 10) + 5 \times 3)$$

### Accumulative.

# 26 up to Lesson 3

### Choose the correct answer

B 8 X

B

(8 Q(1) (D D)

h 60.000 + 500 + 2 =

65,200 **a** 60 570 **a** 60,502

The value of the digit 8 in 85 z47 s

ODD,ODB 🐠 ORG OF 🖎 DBG.8

d 8 X 20 = X 10

= 9+9+9+4+9=

20 @ 8 @ 16)1

( , x 4.0 , + 9 @ 9 x 9)

### Second: Complete the following:

Six hundred six chousand, five hundred fifty (in standard form) 606 550

b 15 Ones + 3 Hundreds + 70 Thousands + 70 315

£ 9X \_ 15 \_\_ = (9X10) + ,9X5

d The area of the opposite figure -

 $|A \cap |A|$ 

### Third: Answer the following

Ar ange the following numbers in a descending order.

25 250 25,025 . 25,205 . 25,502 . 25,052

- 25,502 25 250 25 205 25 052 25,025
- b Find the result

0 @ 90 x 20 < 1 800

€0 28 × 7 =

1)1+1+1+1+6X1=6

 Salma went to the club at 3 15 and eft for home at 5 15 How long did Salma spend in the club?

2 hours





### n Different Forms

#### Choose the correct answer:

Seven hundred thousand and seventy =

770,000 🙃 710,017 🚳 770,000

5,247 @ 70,425 @ 7.42 14

@ 70,010 comes lust after

79 9 29 🚳 70,099 👛 - 0.009

comes list before 2 000

1 799 @ 2.001 @ 1,099

20 Thousands • 75 Tens •

2,075 @ 20,075 @ 20,750

⊕ 60 Hundreds -

60.000 @ 6 000 @ 600.000

② 8.000 Tens = Hundreds.

( 800 @ 8,000 @ 80,000

₱ 300,000 =

Hundreds

( 30 🚭 300 🚭 3,000

1 The largest 5 different digit number is

(98,765 @ 99 999 @ 10,234

be smallest 6 different digit number is

L00.000 @ 123 456 @ 102 345

The argest 5 same digit number is

99,999 @ 98,756 @ 9,999

OThe smallest 4-same digit number is

. 000 @ 1. . . 1 @ . . . 1 .

The value of the digit 3 in 53,839 is

5,000 @ 500 @ 50

The value of the digit 8 in 877.624 is

008 @ 600.8 @ 600.6031

The place value of 9 in 9 247 is

Hundreds @ Thousands @ Ten Thousands

### 2 Complete the following.

Two hundred five thousand, so: hundred and eleven = 205,611

(in standard form)

- (3 700,608 (in word form). Seven hundred thousands, sochundred dight
- © 700,000 + 70,000 + 5,000 + 800 + 50 + 3 = 775 853
- © 998 Thousands + 6 Ones + 5 Tens + 7 Hundreds 998 756
- @ 70 + 0 + 0 + 4 = 74
- @ 77,856 = 70 000 + 7 000 + 800 + 50 + 6
- @ 557159 = 5 Tens + 552Thousands + 9 Ones + 1 Hundreds
- (i) The number that comes lust after \$62,999 s 363,000
- 0 70250 comes list after 70.249
- (j) The number 100,000 comes just after 99 999.
- () The number that comes lust before 700,000 s 699,999
- © 31 560 comes just before 31 561
- The number 105 199 comes just before 105 200.
- O The place value of 5 in 254 269 is Ten Thousands
- @ The value of the digit 7 in 79 u59 is 70,000
- (3) The largest 6 digit number is 999 999
- The smallest 6-digit number is 100 000
- O The largest 5 digit number is 99,999
- The smallest 5 digit number is 10 000
- The largest and the smallest numbers formed from the
  - digits 7 2 8 6 and 3 are 76 320 and 20 367



### Complete the following table.

Number		The value of the Endroled Digit	The Place value of the Encircled Digit
0	- 55 364	400 000	Hundred Thousands
65	3 - 2 512	60 000	Te/i Thousands
0	28 º 239	0	Thousands
0	696,2 74	70	Tens
0	51,78 ()	0	Ones

### 4 Complete using (< = or >,

- O 545 125 5 600,701 O 88 250 5 88,520
- @ 441,002 < 441,0.0 @ 99 999 < 100.010
- O 5 Tens + 7 Thousands + 4 Hundreds > 7405
- Twenty thousand and twenty > 2.020
- 500,000 + 50,000 500 5 < 555,005</p>
- An hour and a quarter < 95 minutes

#### Comparing and Ordering Numbers in Different Forms

- 5. Arrange each group of the following numbers in an assembling order and in a descending order.
  - © 32,023 98123 75023 54,987 20,368

Ascending Order

20.368 32 023 54 987 75,023

Descending Order

98,123 75,023 , 54,987 32 023 20 368

500,638 500,663 500,386 500,683 (3) 500 368

Ascending Order

500,368,500 386 500 638 500 683 500 863

Descending Order

500,863,500,683,500,638,500,386,500,368

6 A number that has 5 Thousands, 7 Hundreds, 6 Tens, and 4 Ones. What number is it?

5.764



### Accumulative,

# up to Lesson 4

Fired	Choose	the	correct	D.CHIMOS
# 11 (PPH)	~!!WD30	III 1942	WUIT CUI	L MITTER WY 1024

3 The smallest 6-different-digit number is

100,000 @ 173 456 @ 102 345 a

b. Three hundred three thousand, three hundred and three =

( 303.303 & 300.033 @ 330 303

The value of the digit 0 in 350 a67 s.

10,000 @ 1,000 @(0)

The number that comes just after 209,999 is

300,000 @ 209 998 @ 210,000

€ 25 Thousands + 6 Ones + 7 Hundreds + 9 Tens =

25 679 @ 25 796 @ 25 769

### Second: Complete the following:

The greatest 6-digit number followed from the digits 3,5 and 7.

777,753

b 250.250 = 750 +

250,000

The place yawe of 0 in 405.612 is Ten Thousands.

B Tens + 502 Thousands + 7 Ones + z Hundreds = 502 287

€ , B X 4

.+(8X 7 )-3Z+56=

### Third: Answer the following.

Find the result

 $0.4 \times 6 = 24$ 

 $0.2 \times 9 = 18$   $0.2 \div 3 = 4$ 

b. Arrange the following numbers in an ascending order.

10,000 , 999 50,000 200 , 6,000

200

999

6 000 10,000

50 000

### Use the opposite figure to find:

· Area =

10

square cm

Penmeter =

CPN:

# Lesson 5

### 1 Use the Place Value Strategy to add:



 $\bigcirc$  310 + 235 = 545

Hundreds	undreds Tens Ones		Ныг	Hundreds		Ones
			+	L		튽
3	- 1	0		2	3	5
		Hundreds	Tens	Ones		
	=			#		
		5	4	5		



@ 287 ± 209 = 496

-	247 - 207 -						
	Hundreds	Tens	Ones		Hundreds	Tens	Ones
				+	1		
	2	8	7		2	0	9
	Hundreda	Tenk	Ortos		Hundredi	Tent	Orien
=			=C J'= = · '=  C j:'	=	ī		
	4	ß	16		4	0	6
D	482 + 193 =	67	5				
	Hundreds	Tens	Ones		Hundreds	Tens	Ones
			Ę	+			
	4	В	2		1	9	3
	Hundreds	Tens	Ones		Hundreds	Tens	Ones
=			寺	=	-		ij
	5	17	- 5		6	7	5

	Hundreds	Tens	Ones		Hundreds	Tens	Ones
	Н			+	Į 1		
	1	5	8		2	7	9
	Hundreds	Tiệns	Drie		Hundreds	Terts	Que;
=	L.L. 4			=			
	3	12	17		4	3	7

### O 567+294= 661

	Hundreds	Terus	Ones		Hundreds	Tens	Ones
				+	L		8
	3	6	7		2	9	4
	Hundreds	Тепть	Duse		Hundreds	Toris	Ones
=				F			п
	5	15	11		6	6	1



### 2 Use the Explanded Form Strategy to add

	Problem		W	ork Spa	HOIF .			5um
0	253 , 124	20 <b>0</b> 100	++	<b>50</b> 20	+		3	977
		300	+	70	+		7	
		300	+	70	+	- (	6	
Φ	376 + 342	300	+	40	+		2	718
		600	+	110	+	- 1	1	
	128 + 439	100	+	20	+	-	В	
Θ		400	+	30	+		9	567
		500	+	50		- 1	7	
	428 • 297	400	+	20	+		В	
Ø		200	+	90	4		7	725
		600	+	110	+	- 1	5	
	108 + 592	100	+	0	+		В	
0		600	+	90	+		5	800
		700	+	90	+	-1		
	5,125 + 3.753	5 000 +	10	0 +	20		5	
0		3 000 +	70	) +	50	٠	3	8 878
		8 000 +	80	0 +	70	+	B	
	6,287 + 1,521	6,000+		0 +	80	+	7	
0		1 000 +	50	0 +	20	+	1	7 808
		7,000+	.70	0 +	100	+	В	

9		2,000+	400 +	50	+	8	
	2.458 + 3,451	3,000 +	400 +	50	+	1	5,909
		5,000+	800 +	100	+	9	
		6,000 +	600 +	60	+	6	
0	6,666 + 2,314	2,000 +	300 +	10	+	4	8.980
		B,00Q+	900 +	70	+	10	
		7,000 +	300 +	50	+	7	
0	7.357 + 242	+	200 +	40	+	2	7,599
		7,000+	500 +	90	+	9	
Ø		6,000 +	800 +	20	+	4	
	6,824 + 257	+	200 +	50	+	7	7,081
		6,000+	1,000+	70	+	11	

3 Use the Number Line Strategy to add:

	Problem	Work Space	5um
0	356 + 243	356 556 596 599	599
0	147 + 237	+ 100 + 40 + 7 237 337 377 384	384



Θ	124 + 773	+100 +20 +4 773 873 893 897	897
0	257 + 212	+200 +10 +2 257 457 467 469	469
0	624 + 421	+400 +20 +1 824 1024 1,044 1,045	1 045
ō	3 125 + 4,234	+3000 +100 +20 +5 	7 359
0	3,561 + 2,533	+2000 +500 +30 +3 3,561 5.561 6,061 6.091 6 094	6 094
ф	4,258 + 3,124	+3000 +100 +20 +4 4,258 7 258 7 358 7 378 7 382	7,382
0	8.124 ÷ 325	+300 +20 +5 B,124 B 424 B,444 B.449	8,449
0	3,587 + 413	+400 +10 +3 3,587 3.987 3,997 4.000	4 000

### Addition Strategies

### 4. Find the sum of each of the following.

- Q 123
- © 325
- + 249

+ 6

36B

331

© 126

378

+ 96

+ 281

222

659

© 676

**©** 722

+ 156

278

4 37

199

869

1, 99

- G 4,778
  - + 1,889
    - 6.667
- 6 999
  - + 1
    - 1,000
- **0** 795
  - + 6,172
  - 1,988
    - 8 955



### Accumulative

Assessmen

# 28 up to Lesson 5

### Choose the correct answer

- 3 The largest 6-d fferent digit number is
- b 850 thrusand 58 =
- c 50 X 800 =
- p 250.025 = 25 +
- The value of the digit 8 in 287156 is

999 999 @ 167,654 @ 123,456

85.058 🖒 8 485 🛈 850 058

4,000 @ 40,000 @ 400,000

∡ 50.000 **⊕** 250 **⊕** ∠ 500

( 80,000 20 8,000 00 80 )

### Second: Complete the following:

$$e_{4}(4 \times 7) + (4 \times 7) = 28 \rightarrow$$

The number that comes just after 99 999 5 100 000

### Third: Answer the following.

a Find the result.

b Order the following numbers in an ascending order.

Add using the Number Line Strategy

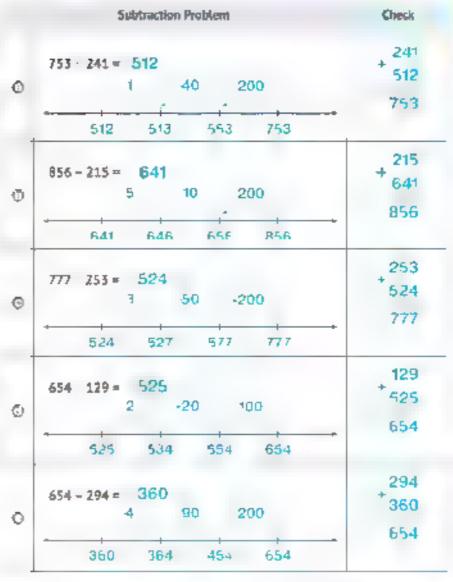
### Lesson 6

1 Solve the following subtraction problems using the Place value. Picture Strategy"

361 € 685 324 = Hundreds Ters Ones 2 2 3 B 6 361 685 Check. 324 O 457 252 = 205 Hundreds Tens Orien D M Allim 호텔 1 205 457 Check 292 @ 713 - 252 = 461 Hundreds Unes lens. 6 461 Check 713 © 256 - 148 = 108 Hundrods Tens Omeg 1 Illia 0 '02 o 148 108 Checic



# 2 Solve the subtraction problems below using the None Circ. Strategy:







9	7,852 - 324 = 7 528 4 - 20 - 300 7,528 7,532 7,552 7,852	324 *7,528 <b>7,852</b>
0	9,529 283 = 9 246 3 80 200 9 246 9.249 9 129 9 529	283 *9 246 9,529
15	9,547 3,421 = 5.126 1 20 400 3 000 5 126 5 127 5.147 5 547 8 547	3 421 5 126 8.547
0	6,542 2,217 = 4 325 7 10 200 2 000 4 325 4 332 4,342 4 542 6.542	2,217 *4 325 6 542
0	7,000 - 1.423 = 5 577 3 -20 -490 1 000 5 577 5.580 5 600 6.000 .000	1.423 5,577 7,000

### Subtraction Strategies

### 3 Subtract:

- - 245
- 1,889 3.089 ⊚ 4,997 4,549 1,000 2,708 - 1378



# Accumulative,

Assessmen

# 9 up to Lesson 6

## First: Choose the correct answer

Nine hundred thousands, ninety nine =

999,000 @ 900,990 @ 900,099

b. The value of the digit 5 in 259,024 is

50,000 🗢 500,000 🗢 5,000

c 800 + 200,000 + 60 + 30,000 + 7 + 9 000 +

, 826 379 @ 239.867 @ 237.896;

a The number that comes just after 80,999 is

(81 000 \$ 90 999 \$ 80 100

e. The smallest 5 different-digit number is

(12,345 @ 98,765 @ 10,234

# Second: Complete the following:

- a The triangle has 3 sides. 3 angles, and 3 yerti
- b 8 + 8 + 8 + 8 + 8 = 5 X 8
- E9X3= 3 X9
- d 9 X 6 = (10 X 6 6
- The perimeter of the opposite figure is 12 units



# Third: Answer the following.

## use the Number Line Strategy to find

# Lesson 7

1 The following table shows the number of shader is in each grade in a school. Use this information to answer the questions below:

Grade	P1	P2	P3	P4	P5
Number of Students	354	37.	478	203	, 39

## Answer the following questions:

- O How many students are there in P1 and P4 altogether 1 354 + 203 = 657 students
- D How many students are there in P3, P4 and P5 a together? 4 'B + 203 + 139
- O How many more students are the ein P3 than in P27 4-8 1371 = 07 students
- O What is the class with the largest number of students? P3
- O Which class has the fewest students? P5
- 2 The following table shows the lengths of some of the works

ongost rivers. Use the information to answer the questions below:

River	Approximate Length in Km
N .e	About 6,650 km
Amazon	About 6,400 km
Mississippi	About 3,775 km
Eughrates	About 7,800 km

# Answer the following questions

- O What is the longest river NI-0 rivers
- O What is the shortest river? Euphrates river



- What is the lotal length of the Mississ ppi river and the Amazon river logether? 3 775 + 6 400 10 175 km
- What is the total length of the luphrates river and the Ni e river robether? 2,800 + 6,650 ± 9,450 km
- O low many more kilometers is the Nillie han the Copil aces? 6 650 2 800 3 850 km
- 3 Read each story problem and decide on a strategy to solve it.
  - O Amin's family is saving to buy a new TV. The TV costs 5,940LE on sale.

    They have saved 4,210LE so fail.

How much more money do they need to buy the TV7 5 940 4.210 1 730 LE

- O Mr Mahmoud raises chickens in his farm, in the past two years his chickens have laid \$350 eggs ast year his chickens laid 2.170 eggs. How many eggs did his chickens ay avolvears ago? 5.350 2.120 3,230 eggs.
- M Mahmoud raises sheep in his farm. One day he took 235 sheep out
   to graze on a his leater his neighbor brought his sheep to the same.
   his side. Now there are 680 sheep on the his.

How many sheep did the neighbor bring to the hillside? 680 235 = 445 sheep

C) The library can hold 2 475 books but 525 books are borrowed and 137 books are missing.

How many books are there in the library right now? 525 + 137 = 662 books 2 475 - 662 1,813 books O Omal just moved to the city. He found an apartment to rent for

3.340LE per month. Electricity and gas will cost him 692LE per month.

How much money will it cost him each month to live there?

Omar had 5,000LE to spend each month,

how much money does he have left after he pays for rent lelectricity. and gas?

$$5,000 - 4,032 = 968 LE$$

Three baxes hilled with books were just delivered to the ubrary, heach box is filled with 215 books how many books were delivered?

O A number that has 5 Thousands, 7 Hundreds, 6 Tens. and 4 Ones.
What number is it?

(i) A number that has 12 Hundreds, 15 Tens, and 6 Ones.

What number is it?

$$1,200 + 150 + 6 = 1,356$$



# Accumulative,

# 30 up to Lesson 7

## Fire: Choose the correct answer

3 The smallest 6 different-digit number is:

100,000 @ 123 456 @ 102 345

Three hundred three thousand, three hundred and three =

The value of the digit 0 in 350, 67 s

10,000 🗢 1,000 🕸 0 እ

The number that comes just after 209 999 s

300,000 Ф 209 998 Ф ∠10 000 4

e 25 Thousands + 6 Ones + 7 Hundreds + 9 Tens =

(25,679 @25,796@ 25,769)

# Second: Complete the following:

n 6 X 3 9 + 9

₽ 5 X 7 = ( 5

Х

4 )+( 5 X3)

€9X3= 3 X9

 $d_{45} + 9 = 5$ 

[6] 12 ← 0 = 12

# Third: Answer the following:

8 Find the result

h Arrange the following numbers in an ascending order

10,000 , 999 , 50,000 , 200 , 6,000

200

999 6 000 10,000 50 000

Mona has \$45...E and Nada has 235...E

How much money do they have attogether?

They have = 545 + 235 = 780 LE

# Legeons 8&9

Circle the container that has the arges capacity

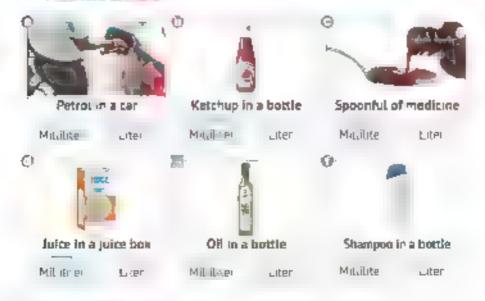


Circle the container that has the small est capacity:





3 What is better for measuring the volume of liquid in capacity, in multipliers or theirs?







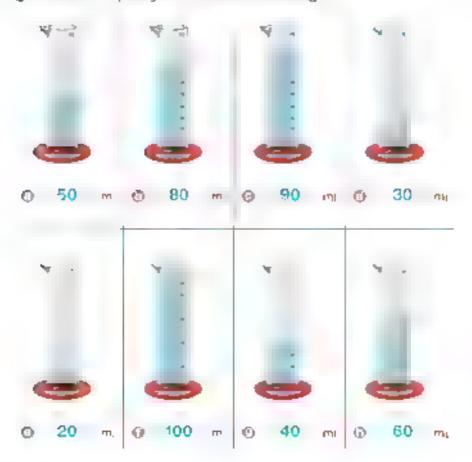
# 4 Complete the following:

- ② 7 liters = 7 000 milliliters ③ 9 dters = 9,000 milliliters
- O 75 liters = 25,000 millimiters 
  O 10 liters = 10 000 millipliters
- ② 4.000 miuiliters ≈ 4. Uters
- © 6,000 miniliters = 5 Uters
- **10** 90,000 minuters = 90 blers
- ① 20.000 millititers = 20 liters



- () To measure the capacity of the soda can, we use the first term
- O To measure the capacity of the swimming pool, we use latter
- The liter is used to measure | Capacity
- The milliliter is used to measure Capacity
- The graduated cylinder is a too, for measuring Capacity

# 5 Write the capacity of each of the following:



# Accumulative.

# 3 up to Lesson 9

## Choose the correct answer

3 8 .iters =

milliliters

8,000 @ 800 @ 80

7+7+7+70

P7 X 4 60 7 + 4 60 7 X 7

4 20 X 3 =

x 40

240 6 6 6 60

of The capacity of a cup of tea is

6 te @ 800 mi @ 200 mi t

signification of measuring capacity. Hour @ Mete @ piter

.rter

# Second: Complete the following:

# 9.000 mr.autrer =

b. The volume of water in a pool is measured by liter.

The number that comes just after 99 999 s 100,000

d 20 cm = 200

mm.

The smallest 5 different-digit number is 10 234.

# Third: Answer the following

a Find the result 49 X T 401 C P)

⊕ 9 X 13 \* 90 • 27 17

@ 72 + 8 a 9

If each book costs 9LE, how many books can you buy with 63LE?

## 63 ± 9 ≈ 7 Books

Write the suitable unit (milliliter or Jter).







Coffee in a cup Water in a bottle Soda in a can

M Leter

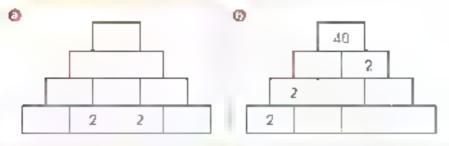
Petrol in a car Liter



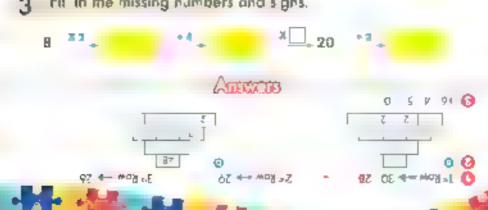
Complete the apposite figure so that the sum of each column and each row is 81

	73		- B
25	27		· + B
	3	24	- 8
81	В	81	

Complete the following figures so that the product of any adjacent numbers is the number directly above them



Fil in the missing numbers and signs.



# **General Exercises**

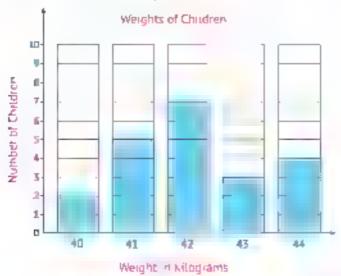


1 The following numbers show the weights of 21 ch ideas (in kilograms)

Complete the following tally table

Weight	40	4.	42	43	44
Tellies		H	14.	1	, T
Number of Children	2	5	7	3	4

b Complete the following bar graph:



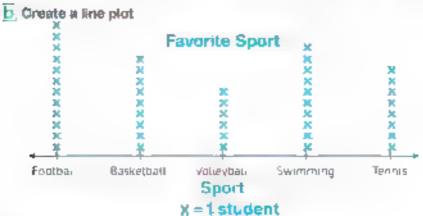
## Final Ravision

## C Greate a line plat.

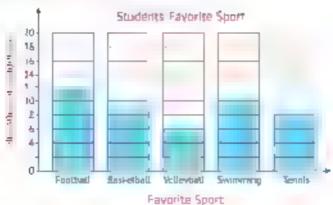


- The following table shows the students' tayonte aport
- Complete the table \*

>port	Fontua .	Basketha .	voiceybail.	Swimming	Tennif
Toules	114 114/	194	1917	1/2 7/4	7/4 /
Number of Students	12	9	6	10	8



## Complete the following bar graph:



## d Answer the following questions

The number of students who prefer-

- The number of students who prefer end and end together s

$$9 + 8 = 17$$

 The sport preferred by the position number of students is Football. The sport prefer ed by the include of scode its is Voileyball.

There is I have to

# -Fire Choose the correct answer

## Seven hundled thousand, seventy (in standard form) is

r 700,070 🐠 70,070 🞱 700,700 )

Ninety four housand, nine hundred four (in standard form) is

940,904 💿 94 904 😂 94 094

3 70,000 + 5,000 + 800 + 50 + 6 =

( 705,856 🕶 750,856 🖭 75,856

# 4 + 800,000 + 600 + 2,000 =

4 862 302,604 820,604

5' 45 Thousands + 8 Hundreds + 6 Ones =

(45.000 🚭 450.000 😩 💎 4.500

20 Thousands + S0 Hundreds =

205,000 😂 20,500 😅 💝 25,000

500 Hundreds = Thousands 50 @ 500 @ 5,000

© 80 Thousands = Hundreds 8,00 💿 80,000

\* 4,000 Tens = Thousands 4 🚳 40 🗘 4,000

The value of the digit 7 in 37,856 is

700 🚳 7,000 🚱 70,000

The value of the digit 0 in 75,036 is

(0) 100 1000)

2. The place value of the digit 4 in 85 247 is

Ones 🕒 Tens 👛 Hundreds

The place value of the digit 6 in 765 217 is

Thousands Ten Thousands De Hundred Thousands

\* The smallest 5-digit number is 20,000 © 10,234 @ 99,999 ) 45: The greatest 6-digit number is LOD.000 @ 999.999 @ 98.765 a the greatest, 4-different-digit number is 1.023 🖎 9.999 🗈 9.876 The smallest 4-different-digit number is (1,234 @ (1,023 @ 1,111, 2 The greatest number that can be formed from the digits 5384and6 s 53,846 🚥 86,543 🕡 34,568 1 2 The smallest number that can be formed from the digits 13,790 @ 97310 @ 10,379 7 9. 0. 3 and 1 s The greatest 5 digit number that can be formed from the digits 4 8 and 7 is - 388.842 🖎 BD.047 🕶 84,222 The number that comes just after 45,099 is 45,000 @ 46,000 @ 45,100 2 The number comes just after 70,010 70,009 💀 70,041 👽 70,020 2 78,099 comes just before 79,000 @ 78,098 The number that comes just before 10,000 is , 9 999 🙃 .D.DO: 🐽 99,998 45,025 く曲=曲> 45,235

7.000 Tens

5,379

5 70 Thousands

2 5 + 30 + 700 + 9,000

< 🔞 = 🔘 >

ح 🕝 = 🕝 ک

## Final Ravision

## Second: Complete the following:

25 325 (in word form). Twen y five Cousand. Three honores, twenty-five

902,019 (in word form). Nine hundred two thousand, hineteen

The value of the digit 6 in 654,001 is 600,000

- 4 The value of the digit 9 in 95,021 is 90 000
- F The place value of the digit 0 in 24,017 is Hundreds
- The place value of the digit 7 o 17123 is Thousands

The smallest 6-digit number is 100,000

- If The greatest 5-digit number is 99,999
- The greatest 4 same digit number is 9 999
- In The smallest 4 same droit number is 1,111
- The greatest number that can be formed from the dig is

,7,8 0.9.2 and 5) is 987,520

- ... The smallest number that can be formed from the digits (4, 1, 8, 6 and 0) is 10,468
- . The greatest 6 digit number that can be formed from the digits. (2.9 and 4) is 999,942
- The smallest 5-digit number that can be formed from the digits. (5 and 7) is 55,557
  - The number that comes just after 99 999 is 100 0.00
- If The number 50 001 comes list after 50,000.
- 25,478 comes just after 25 477
- 10 999 comes just before 11 000
- The number that comes just before \$0..00 is \$0.099
- The number 60 010comes last before 60,020

# Third Answer the following.

Write the number shown in the following table in the:

Thou	 Hundreds		Tens		Ones		
Hundreds	Tens	Ones	nunuieus		IR. IZ		Ones
	7	-4	5	Ī	7	Ī	3

Standard Form: 74.573

Word Form: Seventy four thousand live hundred seventy- hree

Expanded Form 70 000 + 4 000 + 500 + 70 + 3

Units Form 74 Thousands + 5 Hundreds + 7 Tens + 3 Ones

Write the number shown in the following table in the:

1400	Hundreds		Tens		Ones		
Hundreds	Tens	Ones	numureus		IGUS		OHES
6	1	5	9	Ī	1	Ī	2

Standard Form: 615,912

### Final Revision

Word Form. Six hundred little in that sands nine hundred two very Expanded Form 600,000 + 10,000 + 5,000 + 900 + 10 + 2Units Form 615 Thousands + 9 Hundreds + 1 Ten + 2 Ones

Arrange the following numbers in an ascending order.

9 75 205 75.025 75.5±0 75 502 75 250

75 025 75.205 75 250 75 502 75 520

£ 99,999 10,000 49,000 LOD,D00 9999

9 999 10 000 99,000 99,999 100,000

4 Arrange the following burnuers in a descending order.

5 85,085 58.058 85,850 58,580 85,80S

85,850 85 805 85 580 85 085 85 058

t 10,234 10,000 1,11 ,.0,023 ,.0,011

11 111 10,234 10 023 10 011 10 000

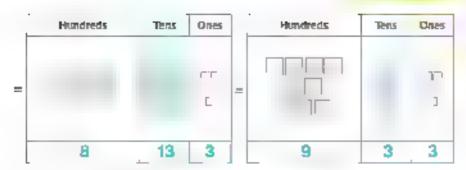
5 Use the Place Value Stralogy to find

# 252 + 681 = 933

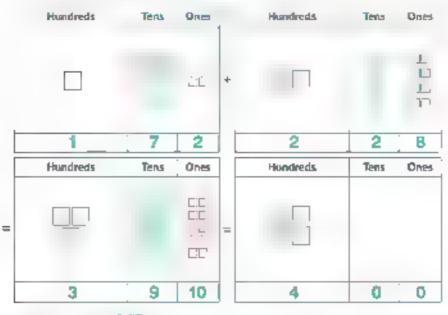
Hundreds	Tens	Ones	
		<b>5</b> 5	
2	5	2	

	Hundreds	Tem	Ones
+			
	6	8	1

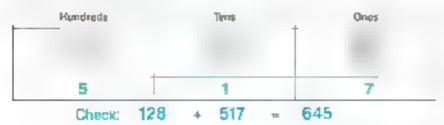
## General Enercises



b 177 + 228 = 400



- 649 I.8 517



### Final Revision

Thousands	Hundreds.	Tens	Qn=
O.F			
(2-7-7-7)			
2	6	O	B

# 8 Use the expanded form strategy to find

$$700 + 80 + 2$$

## 7 use the number line strategy offed





4.6 5

4.7.40



4 315

# 8 Solve the following story problems.

a Neha had 245 LE and Sama has 368 LE How much money do hey have a logether?

4 235

Omar had 7,158 LE he bought a TV set for 2,420 LE

Find the remaining money with Omar

7 158 2 420 4,738 LE

Attended had 984 LE, he bought a shill for 245 LE and trouse is for 455 LE. How much money does he have left?

 The otal number of books in a library is 1,258 and 510 of which are borrowed and 200 are missing.

How many books are in the library now?

# Choose the correct answer

3:5 = 7 =

### General Exercises

(数 36 ÷ = 4

# Second: Complete the following:

17 500 × 4 = 2,000

### Final Revision

" 
$$8 \times 60 = 48 \times 10$$

# Answer the following:

# Complete in the same pattern.

0 0 2 4 6 8, 10 , 12 , 14 , 16

b, 30 27 24, 21, 18, 15, 12, 9

F 0 9 16 24 32 40 48 56 64

· 90 81 72 63 54 45 36 27

## 2 Look at each array, then complete:

# ST 6 6 3

公众公众 公公公公公公 合合合合合 合合合合合

3 rows of 4
 a 2 rows of 6

 $3 \times 4 = 12$  $2 \times 6 = 12$ 



4 rows of 5

 $4 \times 5 = 20$ 



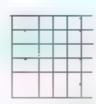
4 columns of 3 6 columns of 2 f 5 columns of 4

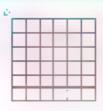
 $5 \times 4 = 20$ 

$$6 \times 2 = 12$$

# 3 Complete using a re-Cor indian ve Perspersy - Meligandal in









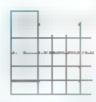
$$5 \times 3 - 15$$

$$50.5 \times 3 = 3 \times 5$$













$$5 \times 2 = 10$$

$$5 \times 4 = 20$$

$$s_0$$
, 2 × 5 = 5 × 2

$$s_0, 2 \times 5 = 5 \times 2$$
  $s_0, 4 \times 5 = 5 \times 4$ 

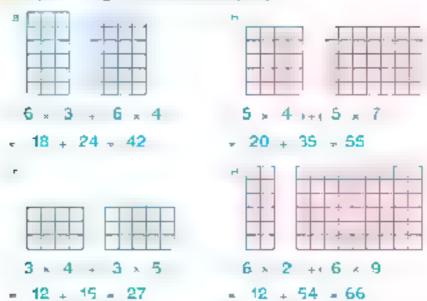
# 4. Write the factor pairs and factors of each number.

Factors of the number 20 are — Factors of the number 18 are

Factors of the number 15 are — Factors of the number 9 are

### Final Revision

5 Complete using the Dr-Lipu vo Pinpinty.



6 Fallah went to the store to buy rots for a big family dinner. She bought 6 bags of rous, each one contained 7 rous.

How many rolls did Farah buy?

7 A basket of applies holds 8 applies. How many applies are there in 4 bags?

8 Amilipacked 5 boxes full of cans Each box contains 10 cans How many cans did Amiripack in att?

9 Each Lat needs 3 fish for lunca-

12

How many cats can we feed if we have 12 fish

Draw a part-part-whole model to show

WOUL BUSWEL

12 + 3 = 4 cats

10 There are 15 oranges that need to be

divided equally between 5 baskets.

15

4

waw a part part whole model to show your answer

15 + 5 = 3 pranges

11 Find the missing factors in the triangles, then complete



$$7 \times 5 = 35$$

$$35 \div 7 = 5$$



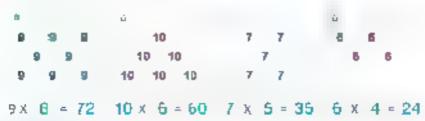
$$6 \times 8 = 48$$

## Final Revision

## 12 Complete the lables below

		0	1	2	3	4	5	6	7	11	9	10
	D	D	0	0	0	0	0	0	0	0	0	0
	1	Q	1	2	3	4	5	6	7	8	9	10
	2	0	2	4	6	8	10	12	14	16	.B	20
	3	0	3	6	9	12	15	18	21	24	27	30
	4	0	4	2	12	16	20	24	28	32	36	40
	5	0	5	10	15	20	25	30	35	40	45	5D
ľ												
	$\oplus$	0	1	Z	3	4	5 1	6 1	7	po	9	10
	6	٥	6	12	18	24	30	36	42	84	54	60
	7	0	7	14	2	28	35	42	49	56	63	70
	ä	0	8	16	24	32	40	48	56	64	72	80
	9	0	9	18	27	36	45	54	63	72	81	90
	10	0	10	20	30	40	50	60	70	80	90	100
	<b>(III)</b>	0	1	2	3	۵	5	б	7	8	9	10
	D	D	0	0	0	0	0	0	0	0	0	0
	1	0	1	2	3	4	5	6	7	8	9	10

# 13 What is the value of each box.



# Choose the correct answer

5 cm =	77101	5 🔾 50 🗘 500
6 m =	£.m	6 🕝 60 🔾 600 o
70 cm =	ullu	( 20 🖎 700 😂 2,000
20 m =	Cm	( 20 😂 200 😂 2,000 )
r 700 mm -	cm	(· 70 🧿 700 💿 7,900 👚
► 90,000 cm =	m	( 9.000 🖎 900 🖎 90
7 1 hou =	minutes	60-15 15 20
A Halfofanhi	our = minutes	60 😗 15 🚱 30 🐇
a Quarter of a	n hour =	bu 🗰 15 🥶 20 )
10 One day •	hours	24-@ 60 🚭 . 2
2 iters =	manuters	; 200 🚭 2,000 🚭 20,000
10 sters =	mir. ters	100 🐠 1,000 🥸 10,000
= 50,000 milii	Liters = Liters	S 💿 SJ. 😰 SJD 3
. The suitable	and to measure the	a bought of a text of

- The suitable length unit to measure the height of a tree is
  - mit anneter 🕜 der 🕆 lieber 🚳 🔞 e er
- The suitable length unit to measure the length of an insect is
  - rımı ametei 🕝 cent-meter 😉 meter )
- If The suitable length unit to measure the length of an eraser is
  - mi umeter 💟 cent meter 🚱 meter
  - Salma started training at 4:00 and finished at 6:00.

She spect hours in training (2.04 0.6

Ahmed started school at eight of ock and continued studying for 40 minutes. Ahmed finished his studies at

8:00 @ 17:00 @ 8:405

### Final Raylsian

The triangle has sides.

43 🚭 4 🚭 5

to The has 5 sides

quadrilatera 👵 peritagon 🐷 nexagon

At sides are equal in the

ectangle 🥶 kitti 😅 ihombusi ...

The its a quadrilateral that has only one parallel pair of upposite sides.

The is a quadrilateral that has 4 right angles.

parawelogram 🚳 Tectangle 😇 trapezoid

4 The best unit of capacity is measure the volume of liquid in a spounful of medicine is find filter in their commencer

The best unit of capacity to measure the volume of water in

र। टिवाद दुगांत्वमांश्रर ६

mili il iter 🕕 ite. 🕕 centimeter

Centimeter is used to measure
 Liter is used to measure

e length time to capacity

Length time time to capacity

Minute is used to measure

ength @ time @ capacity

Milliliter is used to measure.

rength 😅 time 🚇 capacity

Meter is used to measure.

.enguh-@ time @ capacity

# Second: Complete the following

1 6 cm = 60 mm

2 10 cm = 100 mm

3 4 m = 400 cm

4 50 m = 5,000 cm

5 900 mm = 90 cm

6 4,000 cm = 40 m

7 60 minutes = 1. hour(s)

B: One day - 24 hours

₹ 7 Sters = 7 000 mildbers

" 10 liters =10 000 mitrititers

**J** 90,000 millitiers ≈ 90 titers

Adam went to school at 8:00 am and left school for home at 1,7:00 pm

So, Adam spent 4 hours in school

The quadrilateral has 4 sides.

- The hexagon has 6 vertices
- is to the square, au sides are equal in ength.
- in rength

The best unit to measure the volume of liquid in a cup full of coffee is multi-liter.

- a The best unit to measure your height is centimeter
- Millimeter is used to measure Capacity --
- 10 An hour is used to measure time

# -Third: Answer the following:

1 Look at the images, then figure out the next and previous images in the same pattern:

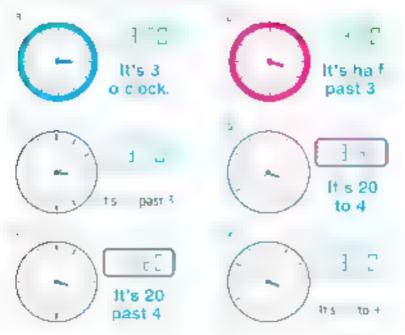




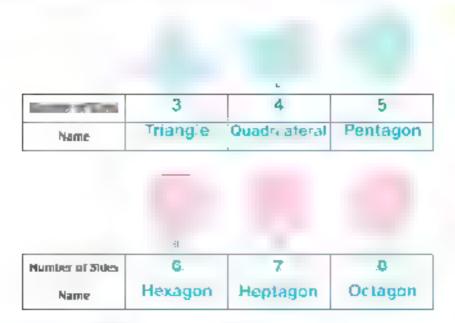
## Final Revision



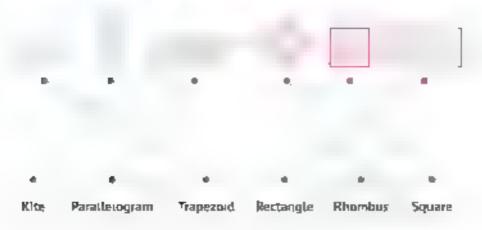
## 2 Draw the hands and write the time



3 Write the number of sides and the name of each shape.

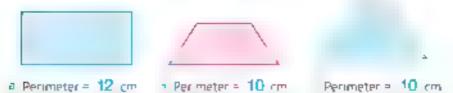


4 Match each quadr lateral to its name.

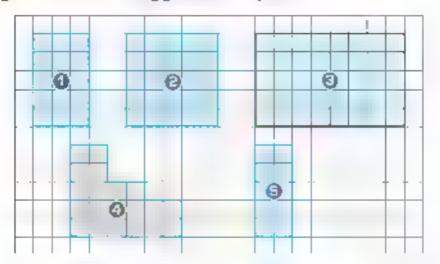


## Final Revision

5 Use a ruler to measure the length of each side, ther find the perimeter of each of the following shapes.



6 Look at the following grid, then complete the table



Shape	Porimeter	Anta
ī	16	15
	20	25
	26	40
9	22	20
<u>5</u>	14	10

# **Model Exams**

# "Fire a Choose the correct answer:

- a Twenty five thousand, twenty five (in standard form):
- D 4+4+4+4+4=
- 6 50 cm =
- The smallest 5-digit number is:
- n +8 = 4

- £25,025 @ 25,250 @ 25,205)
- 4 x 4 @ 5 + 4 @ 5 x 4
- 500 50 5.000
- ( 00 miles of 10 234 of miles of 10 234 of 10

# Seconds Complete the following

- 8 6 X 8 = B X 6
- The place value of the digit 0 in 20.158 is Thousands
- 15 45,000 + 45 = 45,045
- The time shown on the opposite clock is 20 past 9
- e The guadrilateral has 4



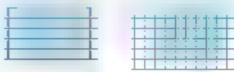
# Third: Answer the following.

a Arrange the following numbers if an ascending order

42.402 4, 704 42.024 44.420 4, 240

42 024 42 204 42 240 42,402 42,420

their different and the permeter of the botthe following shapes



- Area = 40 square units
- 35 + AIP3 square units

Perimeter 26 length units + Perimeter 24 length units Mazen bought a shi f for 245 LE and bought a T shirt for 188 E How much money did Mazen spend 7 245 + 188 = 433 LE

#### Choose the correct answer:

- 160 @ 1.600 @ 16,000 ) a ,6 m - [m 5,454 @ 105 405 @ 454,500 ; E 5 + 400,000 + 400 · 5,000 =
- G 6 G 10 - 6+6+6+6+6=3X
- d. The value of the dig t 3 in 1532. s.
  - ( 3,000 @(300)
- □ 8 X = 4 X 6

## Complete the following

- a 900 Thousands 90,000 Tens
- b. The number that comes just before 20,000 is 19,999.
- 3 20 × 10 = 4 × 5 × 10
- d in the square, all sides are equal in length
- Five hundred ninety four thousand, four hundred fourteen. (in standard form) 5594,414

## Third: Answer the following:

- a Find the result.
- 4.125 + 2.925 = 7.050

 $-8 \times 9 = 72$ 

7,254 - 835 = 6,419

- +45 4 9 × 5
- Write the time shown on the cock



20 to 6



past 5

Feach chair has 4 legs, then how many legs are there in 8 chairs?

## Choose the correct answer

a 8 x 3 =

8+8 

b) 50 Thousands + 50 Hundreds =

50.500 🗢 \$5.000 😻 505.000

10,000 @ 1,000 @ 100 r 10 Thousands o Hund reds

d. The best unit to measure the length of an orange is

millimeter 🙆 centimeter 😅 meter

E 1,000 mm =

LÜÜL

10

## Second: Complete the following

9 Y 12 =(9 X 10) (9 X 2) 90 + 8 108 (Using Distributive Property)

d The triangle has sides

He place Value of the digit Y in 8 952 is Hundreds

big X =g

The smallest 5-d fferent digit number is 10.234

## Answer the following

■ Complete using < = or > ,...

75.258

< 75.528

 $-6 \times 6 = 4 \times 9$ 

80 Thousands > 800 Tens

28 ÷ 4 < 32 ÷ 4

Harta had 1,250 LE she bought some crothes for 625 LE

How much money is left with Hana?

1,250 625 = 625 LE

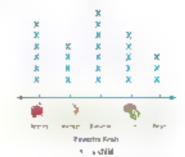
r. The opposite line plot shows the favorite front for 25 children

Which built is ked the most?

#### Bananas

Which fruit is ked the least?

Pears



# 4

## -First: Choose the correct answer

- d. The value of the digit 6 in 256,823 is

(600 \$(6,000) \$(60,000) ) (7 \$8 \$0(9) 1

63 + 7 =

#### Second: Complete the following

- # 4+4+4+4+4+4+4 7 x . 4
  - o 87201 = 1 One + 2 Hundreds + 87 Thousands + 0 Tens
  - The quadritaterat has 4 sides
  - $d = 5 \times 14 = 5 \times 10 + 5 \times 4 = 50 + 20 = 70$
  - The number that comes just before 45 200 is 45 199.

## -Third: Answer the following:

a Arrange the following numbers in a country on order

1.000 999 10,000 9999 , 1,100

- 10,000 9.999 1,100 1,000 9999
- The teacher has 36 crayons to share equally between 4 students. What is the share of each student?

  Complete the opposite part, part, whose modes.

36 ÷ 4 = 9 Crayons 9 9 9 9

[5] Look at each array, then complete

中央条件 中央条件 中央条件 中央条件 中央条件 4 rows of 4 + 3 rows of 6 4 \* 4 = 16 3 \* 6 = 18

## Choose the correct answer

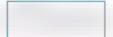
.a 50 + 3,000 + 800 + 700,000 =

73 850 @ 703 9 A @ 70,395	73,050	G 703	9.0	© 70.395
---------------------------	--------	-------	-----	----------

## cond: Complete the following

- The place value of the digit 6 in 621 005 is Hundreds Thousands.
- c 45 045 = 45 + 45 000
- The opposite figure is called roctangle.

											4.00
149 1	12	u 1	៣រ	_ 7	g.	ų.	7 Y	- 1	е.	X	17
1-0		A 4	wr	T 1		A-1		- 1	94	n	



## \*Third \* Answer the following

Use the number in estrategy to add:



c Use the Francis to abtract 8.54, 1.239 - 7.303

Thousands >	Hundreds	Tens	Ones
7	3	0	3
Cheric	1239 +	7.303 -	8.542

Comprete the following pattern

## Choose the correct answer:

3 70 Thousands + 7 Tens =

22,000 🛎 20,020

@ 20 CO2

(9

**6** 10

**a**(7)

**6** 200

Two hundred thousand, twenty (in standard form).

2x0,000 @ 202,000 @ 200,020 >

(4 (8)

**a** 16

## Second: Complete the following

The smallest number that can be formed from the digits. ,5,2,0,2 and 6 is 20,568

h. The place value of the digit 4 in 245,630 is Ten Thousands.

c 6 x 200 = 1,200

d. The opposite figure is caued. hexagon

3 3 x 50 = 15 x 10

## Third: Answer the following:

 Arrange the following numbers in a men order

> 6,584 8,654 4.568 . 6.485 . 5,684

8 654 6 584 6 485 5 684 4.568

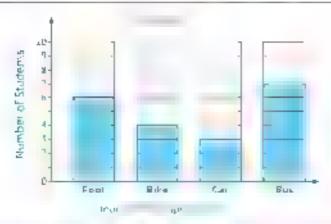
Sama has 756 cE and Yara has 318 tE

How much money do they have a together?

756 ± 318 = 1.074 LE

 The following table shows the methods used by 20 students to reach school use if to complete the bar graph below.

Method	On foot	Bybike		Ву саг		By bus	
Number of Students	6	4	1	3	1	7	



7

## Choose the correct answer:

a The number comes sust after 2...000

20,999 @ 22,000 @ 2.00%

t 3.000 min ititers = 10 ters (3 @ 30 @ 300

© 9+9= X 6 2 Ø.3 Ø.9 ☑ The value of the digit 1 in 10,234 is

10 © 1,000 © 10,000 10 9X5=( X10) 5 9 © 5 © 10

## Second: Complete the following.

a 500 Tens = 5 Thousands

o. The number that comes lust after 250 999 is 251,000.

.61 6 X 4 = 6 + 6 + 6 + 6

#### First Revesion

ਰਾ 30 27 24,21, 18 , 15 , 12

The time shown on the opposite clock is 5 past 8.

## Third: Answer the following:

- B Find the result
- 8 997 003 × 10 000
- 17x4 = 28
- 6,258 128 6,130
- 21 ÷ 3 = 7
- b. Write the factor pairs and factors of each number.

16 1 x 16

- 16 x 1
  - 8 x 2
- 2 x 4
- x 2

2 x B 4 × 4

The factors of 16 are

1, 2, 4, 8, 16

- The factors of 8 are
  - 1 2 4, 8

## Choose the correct answer:

6 Z8 ÷

- 17
- 28
- @(4)
- The smallest number that can be formed from the dig ts.
  - 7 3 8 D and 5 is

8753D

- 30,578

- The pentagon has
- ardes
- @ 5
- **49** 35,780 ⊕ 6

- d Liter is used to measure the
- time
- 😊 ength 🕡 Japan by
- The smartest 6-digit number is
- 100 000 @ 999 999 @ 102 345 )

## complete the following

- a (9 x 10) 9 = 9 x 9

  - The area of the opposite shape = 6 square units



- 204.020 (in word form) Two hundred four thousand, twenty.
- d 5 X 🔍 = 0
- P 85.201 = 2 Hundreds + 1 One + 0 Tens + 85 Thousands

## Thirds Answer the following

- a Complete using <, ≠, ≥ ;</p>
- 50,003
  - > 9.875
- -7X7 > 6XB
- SD + 800,000 < 880,000</li>
   36 ÷ 4
   45 ÷ 5

- Evad has 542 LE and Fares has 325 LE

Find the difference between their money.

$$542 - 325 = 217 LE$$

Draw the analog clock hands and write the numbers of the digital clock.





## Choose the correct answer

a 500.500 = 500 +

- 500
  - 😅 500,500 🎯 500.00Q3
- Centimeter is used to measure the
- time @length @ capacity

· 2.000 + 0 + 3 =

- 2.00 5 @ 200,003 @ 20,003

H 5 X 8D = 4 X

- 10 C 100
- 0.000

- P 6 X = 48

- 6.6
- **6** 7
- (B)

## Second: Complete the following

- a The perimeter of the opposite shape 10 units

- **5** 35 ÷ 5 = 7
  - The number 32 010 comes ust after 32,009.
- d 85 Thousands + 8 hundreds + 2 Ones > 85,802 (in standard form)
- # 3+3+3+3+3= 5 × 3

## -Third: Answer the following:

Amange the following numbers in a colleged in order.

\$5,000 500,000 5J5,000 5,000 50,000

- , 505 000 500,000 55 000 50 000 5 000
- The total number of books in a library is 250.

120 of which are borrowed and 30 are missing. How many books.

are in the library now?

$$120 \pm 30 = 150$$
  
 $250 - 150 = 100$ 

Look at each a ray they complete.



3 ross of 6

3 < 6 = 18



4 columns of 5

 $4 \times 5 = 20$ 

## - Fire Choose the correct answer:

a 50 x 20 4

100

3 1000 C 10,000

b Minute is used to measure the

ength 😩 capacity 🚯 time

3 x .5 @ 6 x 15 @ 3 x 5

- 3 x 10 + 3 x 5 =

→ 100.100 = 100 +

100 @ 100 JDD @ 10,000

is The place value of the digit 8 is 28 120 is

Tens @ Hundreds @ Thousands

## Second: Complete the following

20 Thousands + 20 Hundreds = 20,000 + 2,000 = 22,000

h The number that comes ust after 25 009 is 25,010

£ 8+8+8+8= 4 X10

" NO XXX XXXX XXXXX XXXXXX , in the same pattern)

The greatest 5-digit number formed from the digits | 5 | 3 and 7 | is 77,753

## -Third: Answer the following:

Use tile = 1 = 10 add 456 + 628 ).

400 + 50 + 6

600 + 20 → B

Create an array.



3 rows of 5



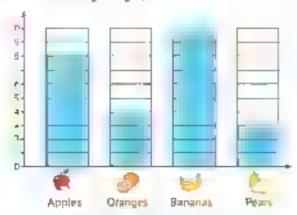
4 columns of 2

#### Final Revision

- The following table shows the . for 25 students.
- · Complete the following table

Favorite Fruit	Apples 🍎	Oranges	_≠ Bananas	Pears
Tallies	.Ht		HH: HH!	
Number of Students	8	4	10	3

· Complete the following bar graph



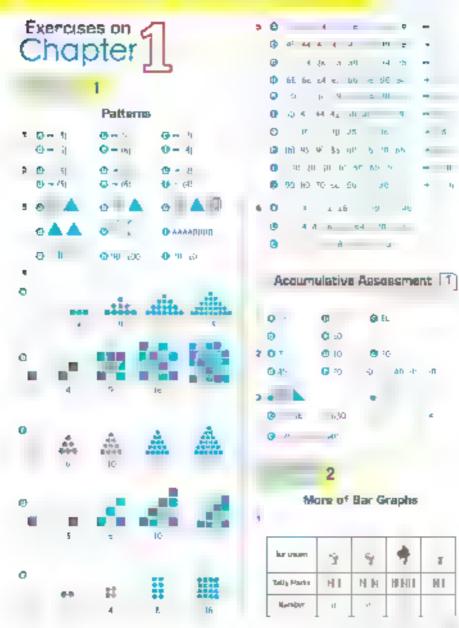
Complete the following line plot

## Number of Students



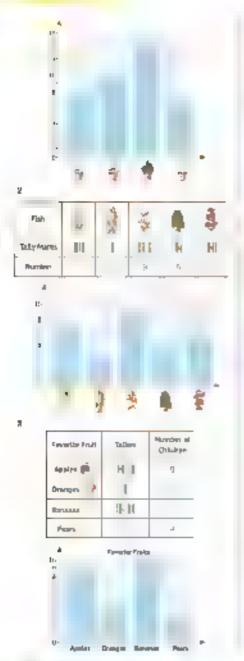
x= 1 student

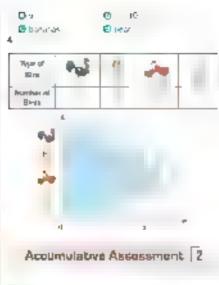
## **Guide Answers**



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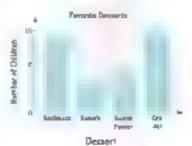
#### Gurde Answers

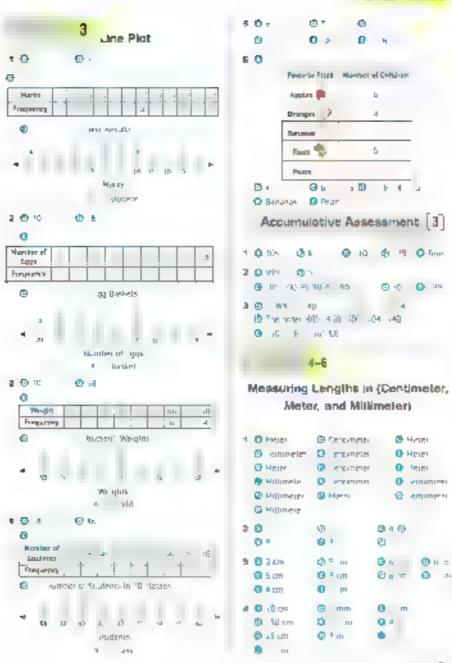






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#### Guida Answers

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#### Accumulative Assessment 4

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#### 1-4

Thousands Ten Thousands, and Hundred Thousands - Numbers in Different Forms

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#### Courte Answers

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## Accumulative Assessment 5

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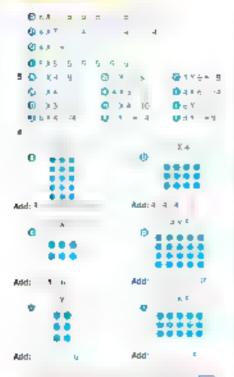


#### 6

#### Multiplication

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#### Guida Answers

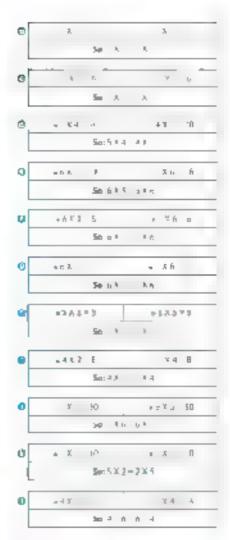


## Accumulative Assessment 7



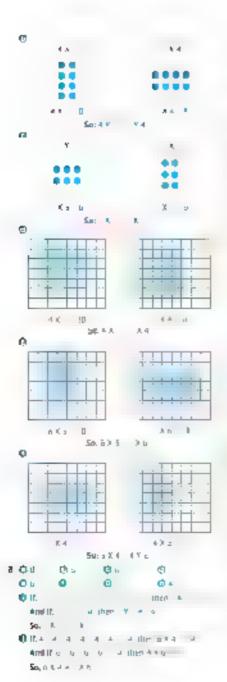
#### Commutative Property in Multiplication







#### Gorde Answers



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## Accumulative Assessment 8



# Chapter 3

## 142

#### Word Problems and Applications on Multiplication

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#### Countin Answers

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  - All hought 4 pent for LE 5 each What is the price of all pens:
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   same bosters, built for a 6 each.
   What is the paige of all halls?
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#### Accumulative Assessment 9

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#### 344

#### Multiples

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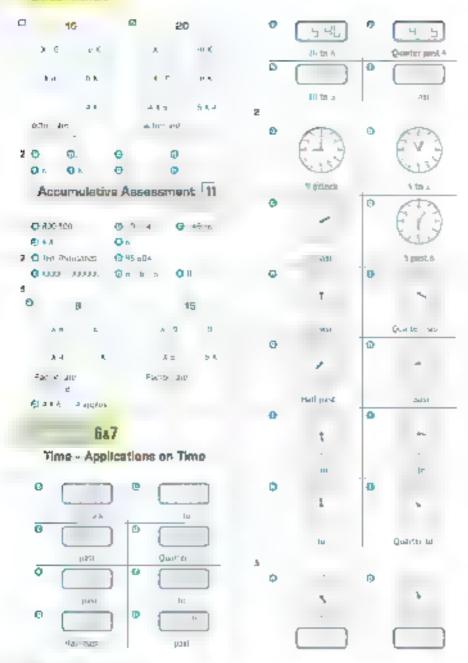
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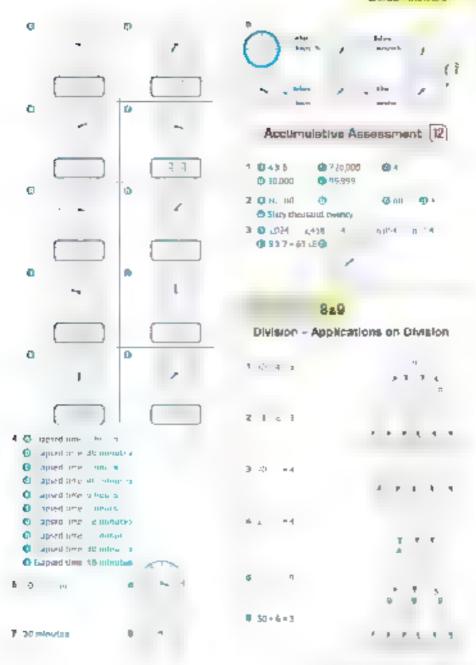


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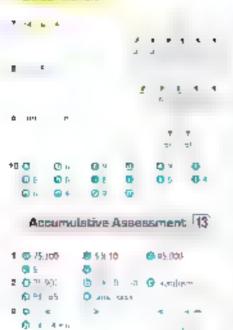


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#### Gorde Answers

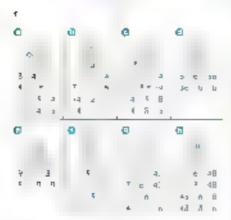


#### Guide Answers



## 10

#### The Relation Setween Multiplication and Division





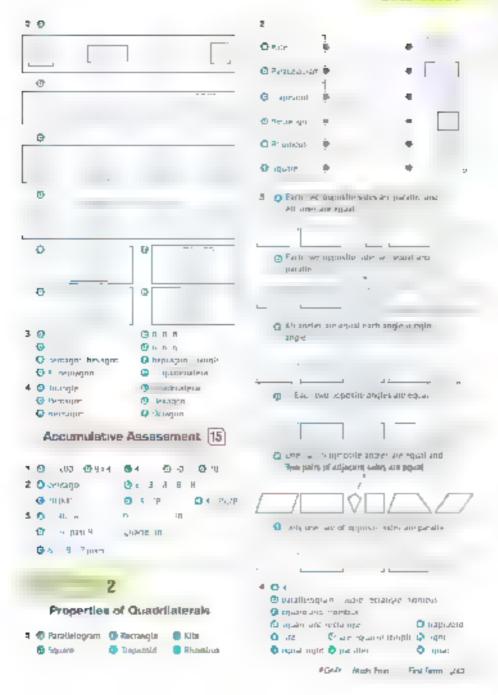
## Accumulative Assessment [14]



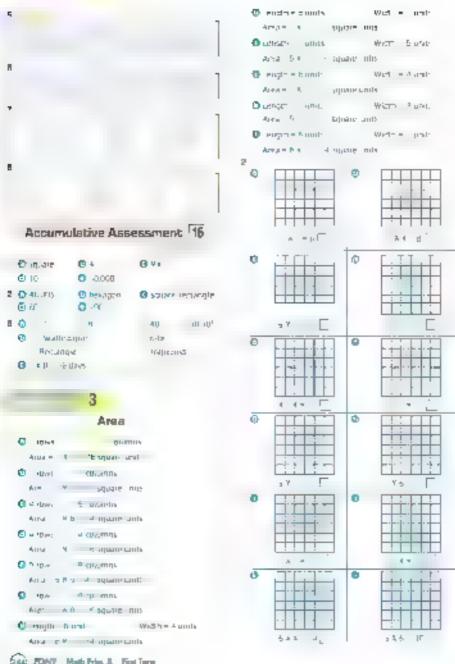
# Chapter 4

## Polygans

#### Gorde Answers



#### Guida Answers



#### Gorde Answers

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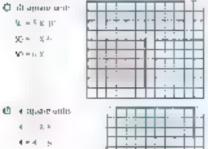
## Accumulative Assessment 17

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#### 486

#### Reclangies with Equal Area **Area Using Models**

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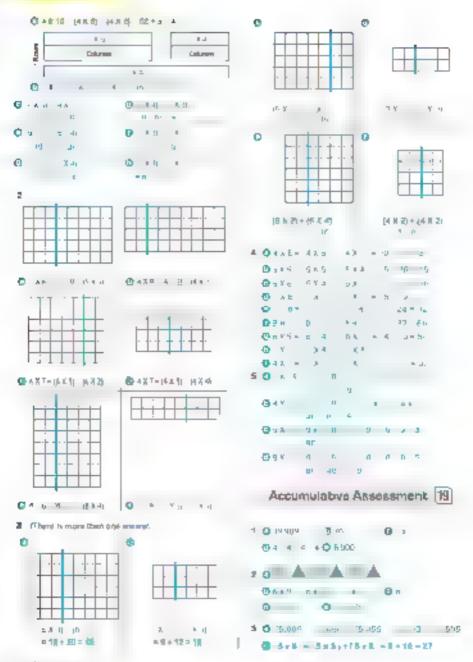


#### 687

#### Area by Splitting Arrays Distributive Property on Multiplication



#### Crustin Answers





#### Parimeter of Polygons

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#### Caustin Answers

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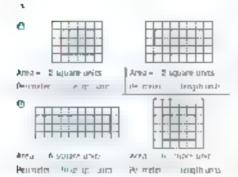
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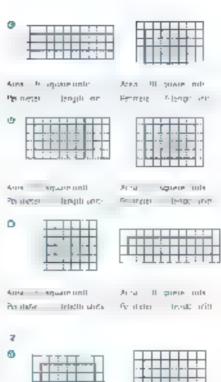
## Accumulative Assessment [21]

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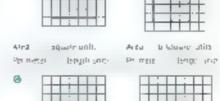
#### 586

# Orfferent Perimeters for the Same Area · Different Areas for the Same Perimeter



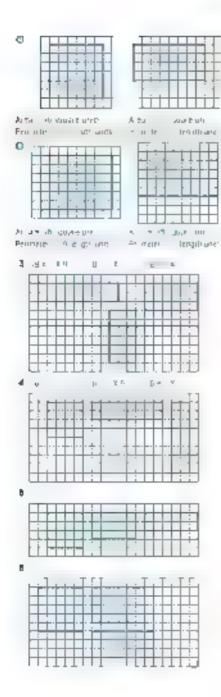




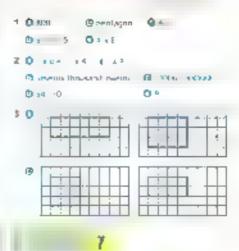


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#### Gorde Answers



## Accumulative Assessment [22]

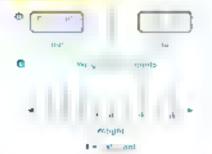


#### Applications on Perimeter and Area

#### Accumulative Assessment [23]



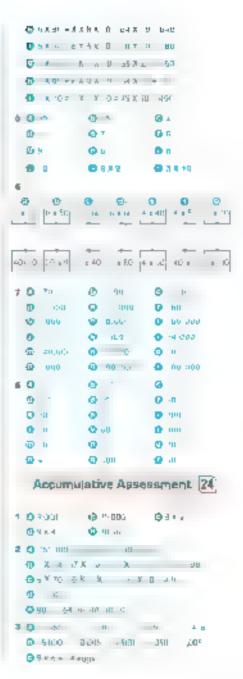
#### Cauda Answers





#### Patterns of Multiplying by Multiples of 10 & Lesson 8 Chapter (5) Multiplying by Multiples of 10





#### Strategies of Multiplying by 9

- 1 Q. Q Answer by yourself
- It A Answer by yourself







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#### Accumulative Assessment [25]

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#### Facts on Multiplication and Addition

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#### Cruide Answers

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#### Accumulative Assessment [26]

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## Accumulative Assessment [27]



#### Addition Strategies



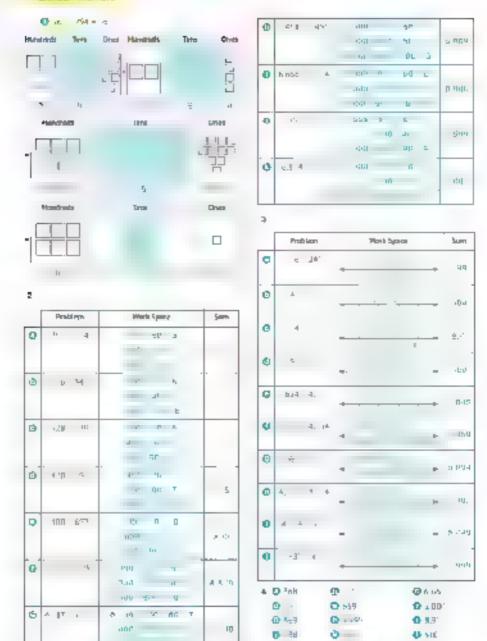
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#### Gorde Answers



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#### Guida Answers



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## Accumulative Assessment [28]









#### Subtraction Strategies



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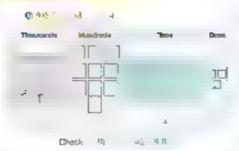
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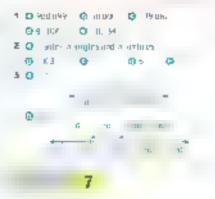
#### Guida Answers



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## Accumulative Assessment |29|



#### Applications or Addition and Subtraction



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#### Accumulative Assessment 30

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## Accumulative Assessment 31

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# Final revision

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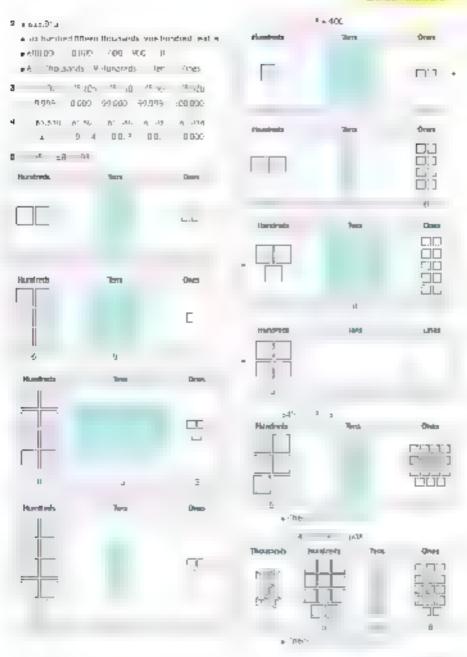
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#### Guide Answers



#### Guida Answers









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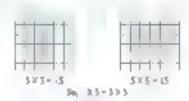
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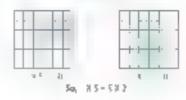


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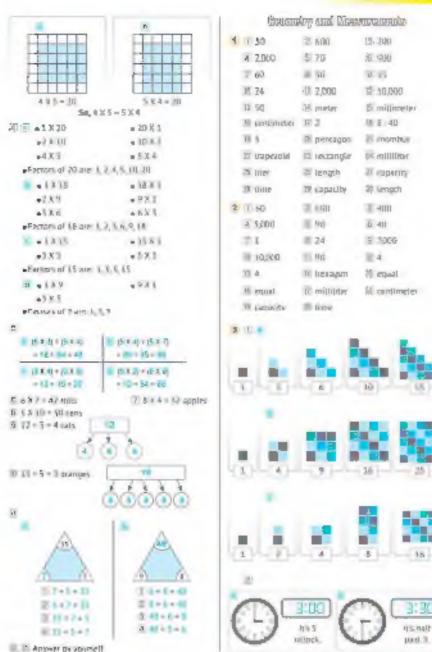








#### Guide Answers



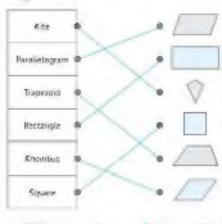
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#### Guida Answers



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## Models

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  - @ 285 + 188 + 4 H LE

#### Model 2

- 1 0 3,631 @ 50G
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- @10

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- 4 0 7090 n 72 + 6,42.W • 20 m 6
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#### Model 3

- 4 Days @ States
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- @ 10.714
- 1 1/50 6/5 h75 LE
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## Model 4

- F 50 to
- @ \$1800
- G 4/15

- O 6/BBS 20164
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- **9**4
- O(1 a +) 10+30 = 10
- ♠ 45 844
- \$ 3 10,000 U.999 .1,000 . 1,000 . 1914
- D 36 14 = 9 (rayres)

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#### Guide Answers

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- p # 4 6 = 10

## Model 5

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- Q 12 = 11,000 4 revision and
- 3 @ 756 + 173 + 679
  - @ #547 5.194 7305

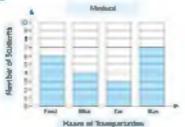


- 4 Check LITS + 1301 + 8343
- C Answer by yourspill

#### Model 6

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- G to be
- # @ MADE . 0.366 . 0.465 . S.666 . 4.368
  - @ 756 + TOT = 1,1034 EX

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#### Model 7

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- Q. E. 0 9
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- O 16 15 11
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- O 3.1.0.35 . 2
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#### Model

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- 2 0 11 0.73
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#### Model 1

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- 2 Q MARCO 12000 112000
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Ansanti by yourtelf



# ترگیب واستخدام لعبت Multiplication Square





## شع يشربك الاشرطة للوسول لعملية الضوب العطاوية كما هو موسع بالمثالين:

